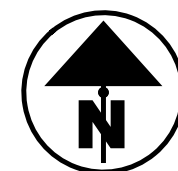


LOCATION MAP

LATITUDE: 40°59'45" N LONGITUDE: 82°40'05" W



| | |
|-------------------------|-------|
| PORTION TO BE IMPROVED | ----- |
| INTERSTATE HIGHWAY | ----- |
| FEDERAL ROUTES | ----- |
| STATE ROUTES | ----- |
| COUNTY & TOWNSHIP ROADS | ----- |
| OTHER ROADS | ----- |

DESIGN DESIGNATION

| | |
|-----------------------------------|-----------------|
| CURRENT ADT (2025) | 850 |
| DESIGN YEAR ADT (2045) | 980 |
| DESIGN HOURLY VOLUME (2045) | 118 |
| DIRECTIONAL DISTRIBUTION | 60% |
| TRUCKS (24 HOUR B&C) | 4% |
| DESIGN SPEED | 35 MPH |
| LEGAL SPEED | 35 MPH |
| DESIGN FUNCTIONAL CLASSIFICATION: | URBAN COLLECTOR |

NHS PROJECT ----- NO

DESIGN EXCEPTIONS

NONE REQUIRED

ADA DESIGN WAIVERS

NONE REQUIRED

UNDERGROUND UTILITIES
Contact Two Working Days Before You Dig

OHIO811. 8-1-1. or 1-800-362-2764
(Non members must be called directly)

PLAN PREPARED BY:

Richland Engineering
A division of The Mack & Smith Group, Inc.
29 NORTH PARK STREET
MANSFIELD OHIO 44902
PHONE: (419) 524-0074
www.wallacepancher.com

ENGINEER'S SEAL

ROADWAY, MOT, DRAINAGE, TRAFFIC CONTROL

ENGINEER'S SEAL

STRUCTURE HUR-CR11-2.96/RETAINING WALL

STATE OF OHIO
DEPARTMENT OF TRANSPORTATION
HUR-CR 11-2.96
BASELINE ROAD/BROADWAY ST.
VILLAGE OF PLYMOUTH
HURON COUNTY
RICHLAND COUNTY

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FEDERAL PROJECT NUMBER

E240(339)

RAILROAD INVOLVEMENT

ASHLAND RAILWAY

PROJECT DESCRIPTION

REPLACEMENT OF A DETERIORATED WOOD BEAM BRIDGE OVER ASHLAND RAILWAY IN VILLAGE OF PLYMOUTH ON EXISTING HORIZONTAL ALIGNMENT AND MODIFIED VERTICAL ALIGNMENT WITH APPROACH ROADWAY WORK.

PROJECT LENGTH = 0.09 MILES.

EARTH DISTURBED AREAS

| | |
|--|------------|
| PROJECT EARTH DISTURBED AREA: | 0.99 ACRES |
| ESTIMATED CONTRACTOR EARTH DISTURBED AREA: | 0.20 ACRES |
| NOTICE OF INTENT EARTH DISTURBED AREA: | 1.19 ACRES |

2023 SPECIFICATIONS

THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PLANS AND CHANGES LISTED IN THE PROPOSAL SHALL GOVERN THIS IMPROVEMENT.

I HEREBY APPROVE THESE PLANS AND DECLARE THAT THE MAKING OF THIS IMPROVEMENT WILL REQUIRE THE CLOSING TO TRAFFIC OF THE HIGHWAY AND THAT DETOURS WILL BE PROVIDED AS INDICATED ON SHEET 10.

APPROVED _____
DATE 1/9/2026 VILLAGE OF PLYMOUTH

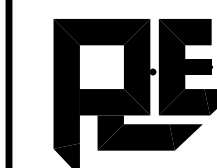
Robert Weaver
District 03 Deputy Director

Pamela Boratyn
Director, Department of Transportation

| STANDARD CONSTRUCTION DRAWINGS | | | | | | SUPPLEMENTAL SPECIFICATIONS | | SPECIAL PROVISIONS | | | |
|--------------------------------|----------|-----------------|---------|-----------|----------|-----------------------------|---------|--------------------|---------|-----------------|---------|
| BP-3.1 | 1/19/24 | CB-1 | 7/19/24 | MT-97.10 | 7/18/25 | AS-1-15 | 1/20/23 | 800-2023 | 1/16/26 | ASBESTOS SURVEY | 12/9/25 |
| BP-4.1 | 7/19/13 | CB-2-2A, 2B, 2C | 7/19/24 | MT-99.20 | 4/19/19 | AS-2-15 | 7/21/23 | 832 | 7/18/25 | | |
| BP-5.1 | 1/16/26 | CB-3A | 1/16/26 | MT-101.60 | 1/17/25 | BR-2-15 | 7/19/24 | 840 | 1/16/26 | | |
| BP-7.1 | 1/16/26 | CB-5 | 7/19/24 | MT-105.10 | 1/17/20 | CS-1-24 | 7/19/24 | 846 | 4/17/15 | | |
| RM-1.1 | 1/16/26 | CB-6 | 7/19/24 | MT-110.10 | 7/19/13 | HL-50.21 | 7/15/22 | | | | |
| RM-2.1 | 7/19/13 | MH-3 | 7/19/24 | TC-41.20 | 10/18/13 | | | | | | |
| | | | | TC-41.30 | 4/21/23 | | | | | | |
| LA-1.1 | 10/15/10 | DM-1.1 | 7/17/20 | TC-42.10 | 10/18/13 | | | | | | |
| | | DM-1.2 | 7/16/21 | TC-42.20 | 10/18/13 | | | | | | |
| | | DM-4.3 | 1/15/16 | TC-52.10 | 10/18/13 | | | | | | |
| | | DM-4.4 | 1/15/16 | TC-74.10 | 1/16/26 | | | | | | |

ADDENDUM 1

| | | |
|---|---------|-------------------|
| 1 | 4/14/26 | ADD SHEET NUMBERS |
|---|---------|-------------------|



GENERAL NOTES

REPLACEMENT OF A DETERIORATED WOOD BEAM BRIDGE OVER ASHLAND RAILWAY IN VILLAGE OF PLYMOUTH ON EXISTING HORIZONTAL ALIGNMENT AND MODIFIED VERTICAL ALIGNMENT WITH APPROACH ROADWAY WORK.

THE EXISTING SITE CAN BE DESCRIBED AS URBAN.

USGS QUADRANT: N4100-W8237.5/7.5, WILLARD, OHIO
 N4052.5-W8237.5/7.5, SHELBY, OHIO

*LONGITUDE AND LATITUDE TO APPROXIMATE CENTER OF PROJECT.

*LATITUDE 41°14'10" N
 *LONGITUDE 82°38'00" W

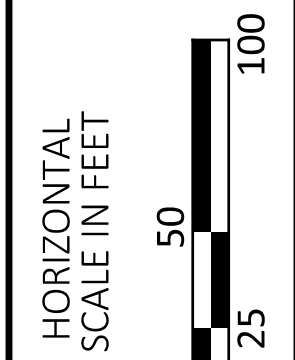
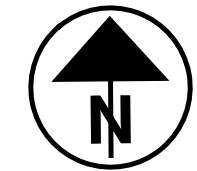
INTERMEDIATE RECEIVING WATERS - UNNAMED TRIBUTARY TO MARSH RUN

SUBSEQUENT RECEIVING WATERS - MARSH RUN

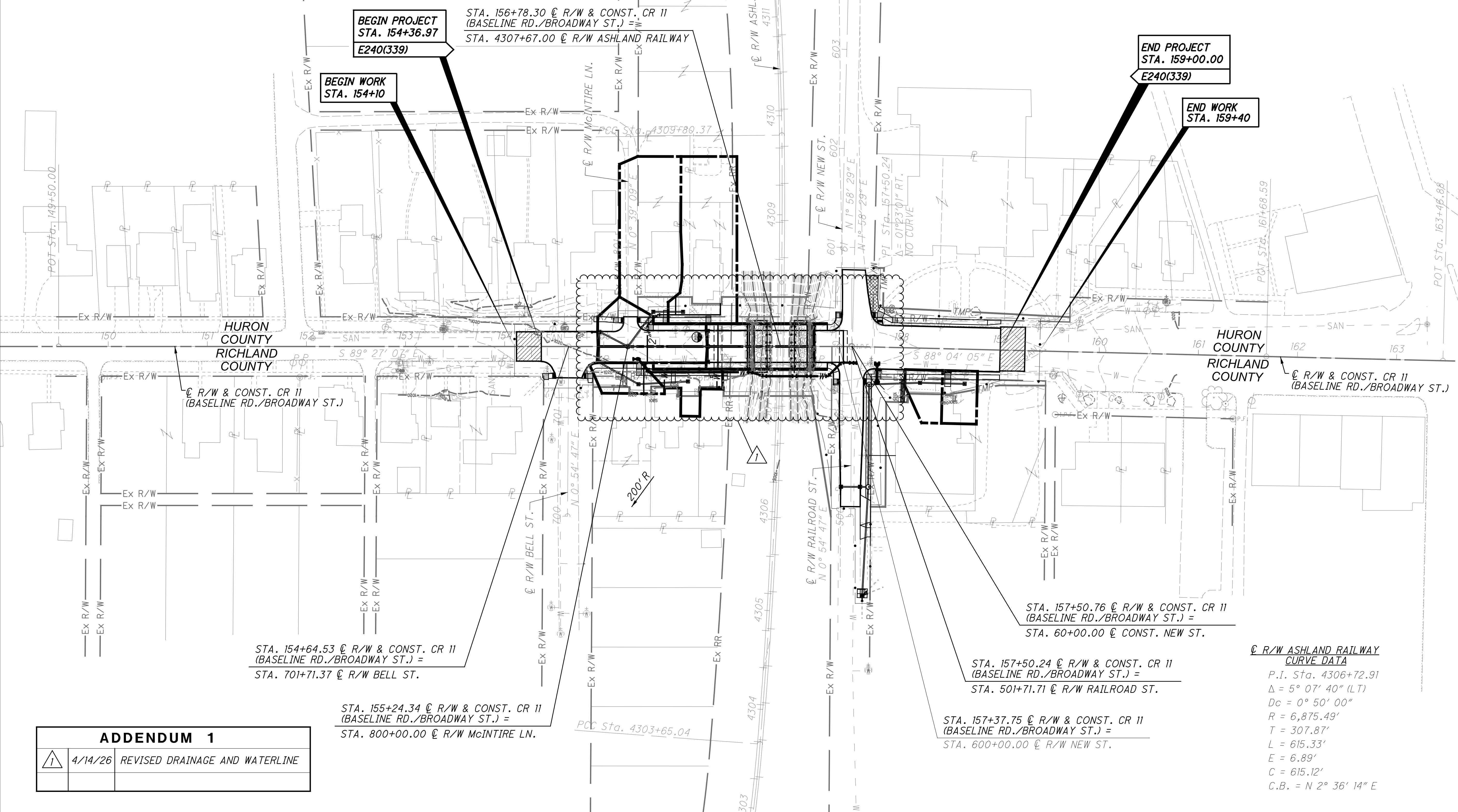
SOIL DATA - SEE SOIL SURVEYS OF HURON COUNTY RICHLAND COUNTY

PROJECT DATA

| | | | |
|---|------------|--|-----|
| TOTAL AREA (EXISTING RIGHT-OF-WAY): | 1.20 ACRES | RUNOFF COEFFICIENT FOR PRE-CONSTRUCTION SITE: | 0.7 |
| PROJECT EARTH DISTURBED AREA: | 0.99 ACRES | RUNOFF COEFFICIENT FOR POST CONSTRUCTION SITE: | 0.7 |
| ESTIMATED CONTRACTOR EARTH DISTURBED AREA: | 0.20 ACRES | | |
| NOTICE OF INTENT EARTH DISTURBED AREA: | 1.19 ACRES | | |
| IMPERVIOUS (PAVED) AREA FOR PRE-CONSTRUCTION SITE: | 0.75 ACRES | | |
| IMPERVIOUS (PAVED) AREA FOR POST CONSTRUCTION SITE: | 0.75 ACRES | | |



LEGEND
 --- DRAINAGE AREA



BEGIN PROJECT
 STA. 154+36.97
 E240(339)

STA. 156+78.30 @ R/W & CONST. CR 11 (BASELINE RD./BROADWAY ST.) =
 STA. 4307+67.00 @ R/W ASHLAND RAILWAY

BEGIN WORK
 STA. 154+10

END PROJECT
 STA. 159+00.00
 E240(339)

END WORK
 STA. 159+40

HURON COUNTY
 RICHLAND COUNTY

HURON COUNTY
 RICHLAND COUNTY

CL R/W & CONST. CR 11 (BASELINE RD./BROADWAY ST.)

CL R/W & CONST. CR 11 (BASELINE RD./BROADWAY ST.)

STA. 154+64.53 @ R/W & CONST. CR 11 (BASELINE RD./BROADWAY ST.) =
 STA. 701+71.37 @ R/W BELL ST.

STA. 155+24.34 @ R/W & CONST. CR 11 (BASELINE RD./BROADWAY ST.) =
 STA. 800+00.00 @ R/W McINTIRE LN.

STA. 157+50.76 @ R/W & CONST. CR 11 (BASELINE RD./BROADWAY ST.) =
 STA. 60+00.00 @ CONST. NEW ST.

STA. 157+50.24 @ R/W & CONST. CR 11 (BASELINE RD./BROADWAY ST.) =
 STA. 501+71.71 @ R/W RAILROAD ST.

STA. 157+37.75 @ R/W & CONST. CR 11 (BASELINE RD./BROADWAY ST.) =
 STA. 600+00.00 @ R/W NEW ST.

CL R/W ASHLAND RAILWAY CURVE DATA

P.I. Sta. 4306+72.91
 Δ = 5° 07' 40" (LT)
 Dc = 0° 50' 00"
 R = 6,875.49'
 T = 307.87'
 L = 615.33'
 E = 6.89'
 C = 615.12'
 C.B. = N 2° 36' 14" E

ADDENDUM 1

| | | |
|---|---------|--------------------------------|
| 1 | 4/14/26 | REVISED DRAINAGE AND WATERLINE |
|---|---------|--------------------------------|

SCHEMATIC PLAN/PROJECT SITE PLAN
 STA. 149+50.00 TO STA. 163+46.88

DESIGN AGENCY



DESIGNER: PRS
 REVIEWER: TJF
 PROJECT ID: 120504
 SHEET: P:2
 TOTAL: 76

CROSSINGS AND CONNECTIONS TO EXISTING PIPES AND UTILITIES

WHERE PLANS PROVIDE FOR A PROPOSED CONDUIT TO BE CONNECTED TO, OR CROSS OVER OR UNDER AN EXISTING SEWER OR UNDERGROUND UTILITY, THE CONTRACTOR SHALL LOCATE THE EXISTING PIPES OR UTILITIES BOTH AS TO LINE AND GRADE BEFORE STARTING TO LAY THE PROPOSED CONDUIT.

IF IT IS DETERMINED THAT THE ELEVATION OF THE EXISTING CONDUIT, OR EXISTING APPURTENANCE TO BE CONNECTED, DIFFERS FROM THE PLAN ELEVATION OR RESULTS IN A CHANGE IN THE PLAN CONDUIT SLOPE, THE ENGINEER SHALL BE NOTIFIED BEFORE STARTING CONSTRUCTION OF ANY PORTION OF THE PROPOSED CONDUIT WHICH WILL BE AFFECTED BY THE VARIANCE IN THE EXISTING ELEVATIONS.

IF IT IS DETERMINED THAT THE PROPOSED CONDUIT WILL INTERSECT AN EXISTING SEWER OR UNDERGROUND UTILITY IF CONSTRUCTED AS SHOWN ON THE PLAN, THE ENGINEER SHALL BE NOTIFIED BEFORE STARTING CONSTRUCTION OF ANY PORTION OF THE PROPOSED CONDUIT WHICH WOULD BE AFFECTED BY THE INTERFERENCE WITH AN EXISTING FACILITY.

PAYMENT FOR ALL THE OPERATIONS DESCRIBED ABOVE SHALL BE INCLUDED IN THE CONTRACT PRICE FOR THE PERTINENT 611 CONDUIT ITEM.

ITEM 407 - TACK COAT

THE ENGINEER SHALL ADJUST THE RATE OF APPLICATION IN THE FIELD OF THE 407 NON-TRACKING TACK COAT AND 408 PRIME COAT AS NEEDED. FOR ESTIMATING PURPOSES ONLY, THE PLAN QUANTITIES INDICATE AN AVERAGE APPLICATION RATE FOR THESE ITEMS. DO NOT ORDER MATERIALS FOR THESE ITEMS UNLESS AUTHORIZED BY THE ENGINEER.

| | | |
|--|-------------|--------|
| 407, NON-TRACKING TACK COAT (MILLED ASPHALT SURFACE) | <u>0.09</u> | GAL/SY |
| 407, NON-TRACKING TACK COAT (NEW ASPHALT SURFACE) | <u>0.06</u> | GAL/SY |

RECORDED/UNRECORDED ACTIVE SANITARY SEWER CONNECTIONS

FURNISH A CONTINUANCE FOR ALL UNRECORDED ACTIVE SANITARY SEWER CONNECTIONS SUCH AS SANITARY, WASTEWATER, CURTAIN/GRADIENT DRAINS, AND FOUNDATION FLOOR DRAINS DISTURBED BY THE WORK. FURNISH AN UNOBSTRUCTED CONTINUANCE OF THE RECORDED/UNRECORDED ACTIVE SANITARY SEWER CONNECTIONS TO THE SATISFACTION OF THE ENGINEER. ALL SUCH CONTINUANCE REQUIRES A RIGHT OF WAY USE PERMIT. ALL SANITARY AND SANITARY WASTE-WATER CONTINUANCE MAY ALSO REQUIRE AN NPDES PERMIT FROM THE OHIO ENVIRONMENTAL PROTECTION AGENCY. REPORT ALL CONTINUANCE TO THE LOCAL HEALTH DEPARTMENT.

THE FOLLOWING CONDUIT TYPES MAY BE USED: 707.42, 707.43, 707.44, 707.45, 707.46, 707.47, 707.51, 707.52 SDR35, 706.01, 706.02, OR 706.08 WITH JOINTS AS PER 706.11 OR 706.12. SEALED JOINTS WITH GEOTEXTILE FABRIC ARE REQUIRED UNDER THE MSE WALL.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR USE AS DIRECTED BY THE ENGINEER FOR THE WORK NOTED ABOVE:

| | | |
|---|------------|----|
| 611, <u>6</u> " CONDUIT, TYPE B, FOR SANITARY | <u>250</u> | FT |
| 611, <u>8</u> " CONDUIT, TYPE B, FOR SANITARY | <u>25</u> | FT |
| 611, <u>8</u> " CONDUIT, TYPE C, FOR SANITARY | <u>25</u> | FT |

SEEDING AND MULCHING OF LAWNS

IN ADDITION TO "AREAS IN FRONT OF RESIDENCES" REFERRED TO IN ODOT CMS 659.10, THE SPECIAL PREPARATION SHALL BE EXTENDED TO ENCOMPASS ALL LAWNS AND/OR LAWN-LIKE AREAS AS DETERMINED BY THE ENGINEER.

SEEDING AND MULCHING

THE FOLLOWING QUANTITIES ARE PROVIDED TO PROMOTE GROWTH AND CARE OF PERMANENT SEEDER AREAS:

| | | |
|----------------------------------|-------------|-------|
| 659, SOIL ANALYSIS TEST | <u>2</u> | EACH |
| 659, TOPSOIL | <u>112</u> | CY |
| 659, SEEDING AND MULCHING | <u>1007</u> | SY |
| 659, REPAIR SEEDING AND MULCHING | <u>51</u> | SY |
| 659, COMMERCIAL FERTILIZER | <u>0.14</u> | TON |
| 659, LIME | <u>0.21</u> | ACRES |
| 659, WATER | <u>6</u> | MGAL |

SEEDING AND MULCHING SHALL BE APPLIED TO ALL AREAS OF EXPOSED SOIL BETWEEN THE RIGHT-OF-WAY LINES, AND WITHIN THE CONSTRUCTION LIMITS FOR AREAS OUTSIDE THE RIGHT-OF-WAY LINES COVERED BY WORK AGREEMENT OR SLOPE EASEMENT. QUANTITY CALCULATIONS FOR SEEDING AND MULCHING ARE BASED ON THESE LIMITS.

STORM WATER POLLUTION PREVENTION PLAN

THE CONDITIONS OF THE NPDES CONSTRUCTION STORM WATER GENERAL PERMIT (SEE PROPOSAL) SHALL BE MET DURING ALL STAGES OF CONSTRUCTION. THE LOCATION AND TIMING OF ALL EROSION AND SEDIMENT CONTROL ITEMS SHALL BE FIELD ADJUSTED TO PREVENT SIGNIFICANT IMPACTS ON RECEIVING WATERS. IMPLEMENTATION OF THIS STORM WATER POLLUTION PREVENTION PLAN SHALL CONTINUE THROUGHOUT THE DURATION OF THE PROJECT OR UNTIL SUCH TIME THAT THE UPSLOPE DISTURBED AREAS ARE STABILIZED.

INSTALLATION OF SEDIMENT BASINS/DAMS, PERIMETER FILTER FABRIC FENCE, SLOPE DRAINS, AND DITCH CHECKS SHALL BE AS PER ODOT SUPPLEMENTAL SPECIFICATION 832.

ALL REASONABLE ATTEMPTS SHOULD BE MADE TO MINIMIZE THE TOTAL AREA OF DISTURBED LAND.

AREAS TO REMAIN DORMANT FOR MORE THAN 14 DAYS SHOULD BE IMMEDIATELY STABILIZED WITH CONSTRUCTION SEEDING AND MULCHING, EROSION CONTROL MATTING OF OTHER APPROPRIATE EROSION CONTROL MEASURES.

PRIOR TO CONSTRUCTION, THE CONTRACTOR IS TO PREPARE AND HAVE APPROVED A STORM WATER POLLUTION PREVENTION PLAN IN ACCORDANCE WITH SS 832. AN ELECTRONIC FILE IN MICROSTATION FORMAT OF THE PROJECT SITE PLAN WILL BE PROVIDED FOR THE CONTRACTOR'S USE.

THE FOLLOWING QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR THE WORK NOTED ABOVE:

| | |
|---|-------------------|
| ITEM 832 - STORM WATER POLLUTION PREVENTION PLAN | <u>LS</u> |
| ITEM 832 - STORM WATER POLLUTION PREVENTION INSPECTIONS | <u>LS</u> |
| ITEM 832 - STORM WATER POLLUTION PREVENTION INSPECTION SOFTWARE | <u>LS</u> |
| ITEM 832 - EROSION CONTROL | <u>15000</u> EACH |

SEE SHEET 2 FOR PROJECT SITE PLAN.

REVIEW OF DRAINAGE FACILITIES

BEFORE ANY WORK IS STARTED ON THE PROJECT AND AGAIN BEFORE FINAL ACCEPTANCE BY THE VILLAGE, REPRESENTATIVES OF THE VILLAGE AND THE CONTRACTOR, ALONG WITH OTHER LOCAL REPRESENTATIVES, SHALL MAKE AN INSPECTION OF ALL EXISTING SEWERS WHICH ARE TO REMAIN IN SERVICE AND WHICH MAY BE AFFECTED BY THE WORK. THE CONDITION OF THE EXISTING CONDUITS AND THEIR APPURTENANCE SHALL BE DETERMINED FROM FIELD OBSERVATIONS. RECORDS OF THE INSPECTION SHALL BE KEPT IN WRITING BY THE VILLAGE AND THE CONTRACTOR.

ALL NEW CONDUITS, INLETS, CATCH BASINS, AND MANHOLES CONSTRUCTED OR ADJUSTED AS A PART OF THE PROJECT SHALL BE FREE OF ALL FOREIGN MATTER AND IN A CLEAN CONDITION BEFORE THE PROJECT WILL BE ACCEPTED BY THE VILLAGE.

ALL EXISTING SEWERS INSPECTED INITIALLY BY THE ABOVE MENTIONED PARTIES SHALL BE MAINTAINED AND LEFT IN A CONDITION REASONABLY COMPARABLE TO THAT DETERMINED BY THE ORIGINAL INSPECTION. ANY CHANGE IN THE CONDITION RESULTING FROM THE CONTRACTOR'S OPERATIONS SHALL BE CORRECTED BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER.

PAYMENT FOR ALL OPERATIONS DESCRIBED ABOVE SHALL BE INCLUDED IN THE CONTRACT PRICE BID FOR THE PERTINENT 611 CONDUIT ITEMS.

**ITEM 611 - MANHOLE RECONSTRUCTED TO GRADE
ITEM 638 - VALVE BOX ADJUSTED TO GRADE**

THIS ITEM SHALL BE AS PER CMS 611 AND 638 WITH THE EXCEPTION THAT A CONCRETE COLLAR SHALL BE PLACED AROUND THE MANHOLE COVER CASTING, CATCH BASIN GRATE AND FRAME, MONUMENT BOX ASSEMBLY AND THE VALVE BOX CASTING AS PER VILLAGE OF PLYMOUTH INFRASTRUCTURE STANDARDS.

RESIDENTIAL AND COMMERCIAL DRAINAGE CONNECTIONS

EXISTING ROOF DRAINS, FOOTER DRAINS, OR YARD DRAINS, DISTURBED BY THE WORK, SHALL BE PROVIDED WITH UNOBSTRUCTED OUTLETS BY CONNECTING A CONDUIT THROUGH THE CURB OR INTO A DRAINAGE STRUCTURE. IN ADDITION, IF EXISTING DRAINAGE PIPE CONNECTIONS ARE UNABLE TO BE REUSED, THEY SHALL BE REPLACED TO THE POSITIVE OUTLET AS APPROVED BY THE ENGINEER. THE LOCATION, TYPE, SIZE AND GRADE OF THE NEW CONDUIT REQUIRED TO REPLACE OR EXTEND THE EXISTING DRAINAGE CONDUIT WILL BE DETERMINED BY THE ENGINEER.

THE FOLLOWING CONDUIT TYPE MAY BE USED: 707.45

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR USE AS DIRECTED BY THE ENGINEER FOR THE WORK NOTED ABOVE:

| | | |
|---|-----------|----|
| 611, 8" CONDUIT, TYPE B, FOR DRAINAGE CONNECTION | <u>50</u> | FT |
| 611, 8" CONDUIT, TYPE C, FOR DRAINAGE CONNECTION | <u>25</u> | FT |
| 611, 10" CONDUIT, TYPE B, FOR DRAINAGE CONNECTION | <u>25</u> | FT |
| 611, 12" CONDUIT, TYPE B | <u>50</u> | FT |
| 611, 15" CONDUIT, TYPE B | <u>50</u> | FT |
| 611, 18" CONDUIT, TYPE B | <u>50</u> | FT |

MANHOLE NO. 3 OR WATER VALVE COVERS

THE CONTRACTOR SHALL TAKE SPECIAL CARE IN MAKING SURE THE MANHOLE COVERS AND WATER VALVE COVERS ARE PLACED FLUSH WITH THE PROPOSED SIDEWALK/ROADWAY SURFACE AS APPROVED BY THE ENGINEER. IF ANY LOCATIONS ARE DETERMINED TO BE DEFICIENT TO THE SPECIFIED REQUIREMENTS THE CONTRACTOR SHALL PERFORM APPROPRIATE CORRECTIVE MEASURES TO MAKE THIS CONDITION MEET THE MINIMUM ACCEPTED REQUIREMENTS LISTED HEREIN. ANY CORRECTIVE MEASURE REQUIRED WILL BE PERFORMED AT NO ADDITIONAL PROJECT COST AND BE APPROVED BY THE ENGINEER PRIOR TO ACCEPTANCE.

ITEM 611 - INLET, SIDE DITCH

FOR ISOLATED AREAS OF STANDING WATER IN THE TREE LAWN AND TO REMOVE CONDUIT NO LONGER NEEDED THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR USE AS DIRECTED BY THE ENGINEER TO PROVIDE AN INLET FOR AND CONNECT THEM TO THE DRAINAGE SYSTEM:

| | | |
|---|------------|------|
| 202, PIPE REMOVED, 24" DIAMETER AND UNDER | <u>100</u> | FT |
| 611, INLET SIDE DITCH | <u>2</u> | EACH |
| 611, CATCH BASIN NO. 3A | <u>1</u> | EACH |
| 611, CATCH BASIN NO. 6 | <u>2</u> | EACH |
| 611, 12" CONDUIT, TYPE C | <u>25</u> | FT |

ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2

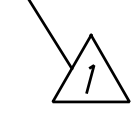
CURB JOINTS SHALL BE SEALED WITH HOT APPLIED JOINT SEALER, PER ODOT CMS ITEM 705.04.

ITEM 611 - 12" CONDUIT, TYPE B, AS PER PLAN

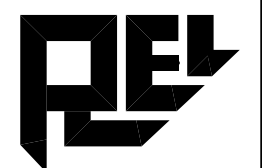
IN ADDITION TO ITEM 611 THE PIPE SHALL MEET ODOT CMS 748.02, AND BE WRAPPED WITH GEOTEXTILE FABRIC AND HAVE RUBBER BOOTS AT THE CONNECTION TO DRAINAGE STRUCTURES. ALL LABOR, MATERIAL, EQUIPMENT, AND INCIDENTALS SHALL BE INCLUDED IN ITEM 611 - 12" CONDUIT, TYPE B, AS PER PLAN AS APPROVED BY THE ENGINEER.

OPWC FUNDING

THIS PROJECT WILL BE PARTIALLY FUNDED WITH OHIO PUBLIC WORKS COMMISSION FUNDS. OHIO PUBLIC WORKS COMMISSION FUNDS CANNOT BE UTILIZED UNTIL AFTER AN AGREEMENT IS SIGNED. THE FUNDING SHALL NOT BE AVAILABLE UNTIL AFTER 7/1/2026.



| ADDENDUM 1 | | |
|------------|---------|--------------------------|
| | 4/14/26 | ADD CONDUIT/FUNDING NOTE |
| | | |



WATER LINE NOTES (CONTINUED)

UTILITY COMPANIES SHALL BE NOTIFIED PRIOR TO THE START OF CONSTRUCTION SO THAT EACH CAN LOCATE AND/OR PROTECT THEIR UTILITIES.

WORK UNDER THIS CONTRACT SHALL BE LIMITED TO PUBLIC RIGHT-OF-WAY AND EASEMENTS OBTAINED BY THE OWNER AS SHOWN ON THE DRAWINGS. ANY ADDITIONAL CONSTRUCTION EASEMENTS REQUIRED FOR COMPLETION OF WORK UNDER THIS CONTRACT SHALL BE OBTAINED BY THE CONTRACTOR.

GAS AND WATER SERVICE LINES SHOULD BE VERIFIED WITH OUPS LOCATES PRIOR TO CONSTRUCTION. SERVICE LINES WILL BE LOCATED BY THE UTILITY OWNER AT THE TIME OF CONSTRUCTION.

ALL PROPERTY PINS OR MONUMENTS WHICH ARE REMOVED OR DISTURBED DURING CONSTRUCTION SHALL BE REPLACED IN THE SAME LOCATION THEY OCCUPIED PRIOR TO CONSTRUCTION. THIS WORK SHALL BE COMPLETED BY A PROFESSIONAL SURVEYOR REGISTERED IN THE STATE OF OHIO.

ALL WATERWORK, INCLUDING RECONNECTION OF WATER SERVICES, ADVANCED NOTIFICATION REQUIREMENTS, COORDINATING THE WORKING OF VALVES FOR SHUTOFFS, AND ALL OTHER ITEMS PERTAINING TO THE WATERMAIN, SHALL BE FULLY COORDINATED WITH THE VILLAGE OF PLYMOUTH WATER DEPARTMENT AND ENGINEERING DEPARTMENT. ONLY THE VILLAGE OF PLYMOUTH WATER DEPARTMENT PERSONNEL SHALL OPERATE PUBLIC WATERMAIN VALVES.

ALL WATERMAIN MATERIAL SHALL CONFORM TO THE FOLLOWING STANDARDS:

| | |
|-----------------------------------|---------------------------------------|
| WATERLINE, MORTARLINED (CLASS 53) | ANSI/AWWA C151/A21.51 |
| FITTINGS | ANSI/AWWA C111/A21.11 OR C153/A21.53 |
| POLYVINYL CHLORIDE PIPE | AWWA C909 |
| JOINTS | ANSI/AWWA C111/A21.11 |
| GATE VALVES | AWWA C509 (RESILIENT SEATED WITH NRS) |
| HYDRANTS | AWWA C502 AND W-3.02 |
| CEMENT MORTAR LININGS | ANSI/AWWA C104/A21.4 |
| INSTALLATION | AWWA C600 |

ALL NEWLY INSTALLED WATERMANS SHALL BE TESTED IN ACCORDANCE WITH AWWA C-600 AND VILLAGE OF PLYMOUTH REGULATIONS.

ALL NEWLY INSTALLED WATERMANS SHALL BE DISINFECTED IN ACCORDANCE WITH AWWA C-651 AND VILLAGE OF PLYMOUTH SPECIFICATIONS W-1.13.

ALL WATERMANS SHALL BE INSTALLED WITH A MINIMUM OF 5 FEET OF GROUND COVER, AS MEASURED FROM THE TOP OF THE PIPE TO FINISHED GRADE.

THE NORMAL WORKING PRESSURE OF ALL WATERMANS SHALL BE NO LESS THAN 35 PSI.

THE CONTRACTOR SHALL NOTIFY THE VILLAGE OF PLYMOUTH TWO WORKING DAYS BEFORE STARTING WORK. ALL WATERLINE WORK SHALL BE LIMITED TO ONE DAY.

THE CONTRACTOR SHALL CONSTRUCT THE NEW WATERLINE IN A MANNER TO MINIMIZE WATERLINE SHUT DOWN TIMES.

A TEN (10) FOOT HORIZONTAL SEPARATION MEASURED FROM OUTSIDE EDGE TO OUTSIDE EDGE SHALL BE MAINTAINED BETWEEN ANY PROPOSED WATERMANS, SANITARY SEWERS AND STORM SEWERS.

WATERMANS CROSSING EITHER ABOVE OR BELOW A SEWER SHALL BE LAID TO PROVIDE A MINIMUM VERTICAL DISTANCE OF EIGHTEEN (18) INCHES (MEASURED FROM OUTSIDE EDGE TO OUTSIDE EDGE). AT CROSSINGS, ONE FULL LENGTH OF WATERMAIN SHALL BE LOCATED SUCH THAT BOTH JOINTS ARE LOCATED AS FAR FROM THE SEWER AS POSSIBLE. STRUCTURAL SUPPORTS FOR THE WATERMAIN AND/OR SEWER PIPE WILL BE REQUIRED TO MAKE THE COMPLETED INSTALLATION FIRM AND WELL SUPPORTED.

SEPARATION OF WATER MAINS AND SEWERS SHALL BE IN ACCORDANCE WITH THE GLUMRB.

THE EXISTING WATERLINE AND VALVES MAY BE ABANDONED IN PLACE UNLESS THEY ARE EXPOSED WHEN THE ROADWAY IS CUT DOWN TO SUBGRADE, AREAS IN CONFLICT WITH THE PROPOSED STORM SEWER, OR IN CONFLICT WITH ANY OTHER PROPOSED WORK. IN THESE CASES THE EXISTING WATERLINE AND VALVES SHALL BE REMOVED IN ORDER TO FACILITATE THE WORK. IN CASES IN WHICH THE WATERLINE IS ABANDONED IN PLACE, ALL ENDS SHALL BE PLUGGED WITH CONCRETE. ABANDONED VALVE CAVITIES SHALL BE FILLED WITH CONCRETE.

ALL FITTINGS AND VALVES SHALL BE APPROVED BY THE ENGINEER AND THE COST SHALL BE INCLUDED IN THE UNIT BID PRICE PER FOOT FOR THE WATERMAIN RELOCATIONS. THE COST OF REMOVED AND/OR ABANDONING THE EXISTING WATERLINE AND VALVES SHALL BE INCLUDED IN THE UNIT BID PRICE PER FOOT FOR THE WATERMAIN RELOCATION.

DISINFECTION

ALL COMPLETED WATERLINES SHALL BE DISINFECTED IN ACCORDANCE WITH AWWA C651 BY THE PERFORMING CONTRACTOR.

IN LIEU OF METHOD REFERENCED ABOVE, THE CONTRACTOR SHALL PLACE HTH OR AN APPROVED EQUIVALENT TO HTH, AND WITHIN EACH JOINT OF PIPE AS IT IS BEING PLACED FOR MEETING REQUIREMENTS OF AWWA C651.

THE COMPLETED WATERLINE SHALL BE CHARGED OR FILLED WITH A CHLORINE SOLUTION, CONTAINED AND TO REMAIN WITHIN THE PIPE FOR NO LESS THAN A TWENTY FOUR (24) HOUR PERIOD, CHLORINE RESIDUALS WILL THEN BE TAKEN AT ANY POINT ALONG THIS NEW INSTALLATION AND SHALL NOT REGISTER BELOW OR AT ANY LESS THAN 25 PARTS PER MILLION.

DURING THIS TWENTY FOUR (24) HOUR DISINFECTION PERIOD, ALL CONNECTING VALVES SHALL BE OPERATED FROM FULL OPEN TO THE FULLY CLOSED POSITION AT A MINIMUM OF FIVE (5) TIMES, TO ENSURE CONTACT BETWEEN CHLORINE AND ALL INTERIOR WORKING PARTS OF THE VALVE.

SHOULD THE CHLORINE RESIDUAL TEST BE LESS THAN 25 PARTS PER MILLION AND AT THE END OF REQUIRED TWENTY FOUR (24) HOURS, THE LINE SHALL BE DRAINED AND REFILLED FOR REPEATING DISINFECTION PROCESS, AND CONTINUED UNTIL THE END OF A TWENTY FOUR (24) HOUR PERIOD SHOULD RESULT IN NOTHING LESS THAN THAT 25 PART PER MILLION RESIDUAL TEST.

FOLLOWING A SUCCESSFUL DISINFECTION PERIOD, PIPE AND APPURTENANCES SHALL BE FLUSHED, CLEAN AND FREE OF THE CHLORINE SOLUTION. PIPES AND APPURTENANCES SHALL THEN BE REFILLED OR CHARGED WITH WATER FROM AN EXISTING OR CONNECTED VILLAGE SYSTEM. SAMPLES OF WATER WILL BE COLLECTED BY THE VILLAGE FOR TESTING OF BACTERIA AT BOTH TWENTY FOUR (24) AND FORTY EIGHT (48) HOUR INTERVALS AFTER LINE WAS FILLED, TEST RESULTS SHALL BE COMPLETED WITHIN TWO (2) WORKING DAYS OF EACH COLLECTED SAMPLE. IN THE EVENT A BACTERIA TEST COMES BACK POSITIVE, THE CONTRACTOR SHALL REPEAT ENTIRE DISINFECTION AND BACTERIA TESTING PROCESS, AND UNTIL ACCEPTED BY THE VILLAGE ENGINEER. AFTER ACCEPTANCE TO RESULTS OF TESTING (BACTERIOLOGICAL), LINE SHALL ONCE AGAIN BE DRAINED, FLUSHED AND FILLED UNTIL REPLACEMENT WATER WITHIN THE WHOLE LENGTH OF THIS NEW INSTALLATION, THROUGH TESTING PROVES EQUAL TO OR OF THE SAME QUALITY AS EXISTING WATER SYSTEM. COLLECTION POINTS (AND OTHER DISINFECTION REQUIREMENTS) WILL BE GOVERNED BY ANSI/AWWA C651-14 WITH COLLECTION POINTS CONTROLLED BY 5.1.1.2 WHICH STATES: "FOR NEW MAINS, SETS OF SAMPLES SHALL BE COLLECTED EVERY 1,200 FT. OF THE NEW WATER MAIN, PLUS ONE SET FROM THE END OF THE LINE AND AT LEAST ONE FROM EACH BRANCH GREATER THAN ONE PIPE LENGTH".

THE CONTRACTOR SHALL FURNISH DISINFECTANT, THE EQUIPMENT TO FEED DISINFECTANT, TOOLS, TAPS, CONNECTORS AND LABOR FOR DISINFECTION OF PIPE PLACED UNDER THIS CONTRACT, IN ACCORDANCE WITH PROCEDURES OUTLINED THROUGH PARAGRAPHS ABOVE. ALL COST FOR DISINFECTION SHALL BE INCLUDED WITHIN CONTRACT PRICES ON VARIOUS ITEMS OF WORK AND NO SEPARATE OR ADDITIONAL PAYMENT WILL BE MADE.

WATER WORK

ALL PROPOSED WATER WORK SHALL BE CONSTRUCTED IN THE PRESENCE OF AN ON SITE INSPECTOR AND SHALL BE COORDINATED AND APPROVED BY THE MUNICIPAL UTILITIES OF THE VILLAGE OF PLYMOUTH. NO VIBRATORY ROLLING WILL BE PERMITTED OVER THE WATERLINE AS APPROVED BY THE ENGINEER AND VILLAGE OF PLYMOUTH. ALL ASSOCIATED COST TO PERFORM THIS COORDINATION, CONSTRUCT, AND ACQUIRE THE VILLAGE OF PLYMOUTH APPROVAL OF THE PROPOSED WATER WORK CONSTRUCTION IS TO BE INCLUDED IN UNIT PRICES BID FOR ITEM 638.

CONTRACTOR SHALL VERIFY LOCATION AND DEPTH OF EXISTING WATER FACILITIES PRIOR TO CONSTRUCTION UNDER ITEMS 611 AND 605.

ALL NEWLY INSTALLED CURB STOPS SHALL BE MUELLER, MODEL NO. H15209, AND BE OF THE BEST QUALITY BRASS OR BRONZE, AND SHALL BE A TEFLON COATED BALL VALVE COMPLETE WITH CONNECTIONS FOR THE TYPE OF SERVICE PIPE REQUIRED TO THE BUILDING BEING SERVED.

ALL NEWLY INSTALLED CURB BOXES SHALL BE OF STEEL AND CAST IRON AND SHALL BE B&T MODEL 94E ARCH BASE, OR AS APPROVED BY THE ENGINEER. CONCRETE BLOCKING SHALL BE PROVIDED UNDER EACH CURB BOX, OR AS APPROVED BY THE ENGINEER.

ALL NEWLY INSTALLED SERVICE PIPE SHALL BE ONE INCH DIAMETER TYPE K COPPER TUBING MEETING THE REQUIREMENTS OF ASTM B88, AND SHALL BE SOFT TEMPERED. ALL COPPER SERVICE PIPE NEEDED TO MAKE ADJUSTMENTS AND CONNECTIONS TO EXISTING SERVICE CONNECTIONS, AS APPROVED BY THE ENGINEER AND THE VILLAGE OF PLYMOUTH SHALL BE INCLUDED IN THE BID FOR 638 ITEMS.

WATER METERS SHALL BE RELOCATED AS APPROVED BY THE VILLAGE OF PLYMOUTH. DISCONNECT THE EXISTING WATER METERS AND REPLACE THEM WITH SUITABLE CONNECTIONS. A NEW WATER METER BOX SHALL BE PROVIDED AND INSTALLED IF THE EXISTING WATER METER BOX IS DETERMINED TO BE UNABLE TO BE REUSED AT THE NEW LOCATION AS APPROVED BY THE ENGINEER AND THE VILLAGE OF PLYMOUTH. ALL LABOR, MATERIAL, EQUIPMENT AND INCIDENTALS TO CONSTRUCT THIS ITEM COMPLETE SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 638 - METER AND CHAMBER REMOVED AND RESET, AS PER PLAN.

WATER WORK (CONTINUED)

THE FOLLOWING QUANTITIES ARE INCLUDED IN THE GENERAL SUMMARY TO BE USED AS DIRECTED BY THE ENGINEER FOR WATER WORK ITEMS THAT MAY BE DISCOVERED DURING THE PROPOSED CONSTRUCTION.

| | | |
|---|----------|------|
| 638, FIRE HYDRANT EXTENDED AND ADJUSTED TO GRADE | <u>1</u> | EACH |
| 638, VALVE BOX ADJUSTED TO GRADE | <u>3</u> | EACH |
| 638, METER AND CHAMBER REMOVED AND RESET, AS PER PLAN | <u>5</u> | EACH |

ENVIRONMENTAL COMMITMENTS

1. THE SPECIFICATIONS SET FORTH IN THE MOST CURRENT VERSION OF ODOT'S CONSTRUCTION AND MATERIAL SPECIFICATION, SUPPLEMENTAL SPECIFICATIONS, LOCATION AND DESIGN MANUAL AND STANDARD CONSTRUCTION DRAWINGS WILL BE USED TO ENSURE ADEQUATE EROSION AND SEDIMENT CONTROL DURING CONSTRUCTION.
2. THIS PROJECT IS LOCATED WITHIN THE KNOWN HABITAT RANGES OF THE FEDERALLY LISTED AND PROTECTED INDIANA BAT AND NORTHERN LONG-EARED BAT. NO TREES SHALL BE REMOVED UNDER THIS PROJECT FROM APRIL 1 THROUGH SEPTEMBER 30. ALL NECESSARY TREE REMOVAL SHALL OCCUR FROM OCTOBER 1 THROUGH MARCH 31. THIS REQUIREMENT IS NECESSARY TO AVOID AND MINIMIZE IMPACTS TO THESE SPECIES AS REQUIRED BY THE ENDANGERED SPECIES ACT. FOR THE PURPOSES OF THIS NOTE, A TREE IS DEFINED AS: A LIVE, DYING, OR DEAD WOODY PLANT, WITH A TRUNK THREE INCHES OR GREATER IN DIAMETER AT A HEIGHT OF 4.5 FEET ABOVE THE GROUND SURFACE, AND WITH A MINIMUM HEIGHT OF 13 FEET.
3. ASBESTOS NOTIFICATION

NO ASBESTOS OR ASBESTOS BELOW REGULATORY LIMITS.

A CERTIFIED ASBESTOS HAZARD EVALUATION SPECIALIST SURVEYED THE BRIDGE STRUCTURE SCHEDULED FOR DEMOLITION AND/OR REHABILITATION; THE SURVEY DETERMINED THAT NO ASBESTOS IS PRESENT ON THE BRIDGE STRUCTURE.

ODOT SHALL PROVIDE A COPY OF THE OHIO ENVIRONMENTAL PROTECTION AGENCY NOTIFICATION OF DEMOLITION AND RENOVATION FORM, PARTIALLY COMPLETED, AND SIGNED BY THE BRIDGE OWNER, TO THE SUCCESSFUL BIDDER. THE CONTRACTOR SHALL COMPLETE THE FORM AND SUBMIT IT TO ONE OF THE ADDRESSES BELOW AT LEAST TEN (10) WORKING DAYS PRIOR TO THE START OF ANY DEMOLITION AND/OR RENOVATION.

ASBESTOS PROGRAM
OHIO EPA, DAPC
P.O. BOX 1049
COLUMBUS, OH 43216-1049

OR

ASBESTOS PROGRAM
OHIO EPA, DAPC
50 W. TOWN ST. SUITE 700
COLUMBUS, OH 43215

THE CONTRACTOR SHALL PROVIDE A COPY OF THE COMPLETED FORM TO THE ENGINEER AT LEAST TEN (10) WORKING DAYS PRIOR TO THE START OF ANY DEMOLITION AND/OR RENOVATION. THE FORM SHALL INCLUDE: 1) THE CONTRACTOR'S NAME AND ADDRESS 2) THE SCHEDULED DATES FOR THE START AND COMPLETION OF THE BRIDGE REMOVAL AND 3) A DESCRIPTION OF THE PLANNED DEMOLITION WORK AND THE METHOD(S) TO BE USED. COPIES OF THE OEPA FORM AND BRIDGE INSPECTION REPORT ARE AVAILABLE FOR REVIEW AT THE ODOT DISTRICT 3 OFFICE, 906 CLARK AVENUE, ASHLAND, OH 44805.

BASIS FOR PAYMENT THE CONTRACTOR SHALL FURNISH ALL FEES, LABOR, AND MATERIAL NECESSARY TO COMPLETE AND SUBMIT THE OEPA NOTIFICATION FORM. PAYMENT FOR THIS WORK SHALL BE INCLUDED IN ITEM 202-PORIONS OF STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN.

| ADDENDUM 1 | | |
|---|---------|--------------------|
|  | 4/14/26 | REVISE ITEM TO 611 |
| | | |

DESIGN AGENCY



| | |
|------------|--------|
| DESIGNER | PRS |
| REVIEWER | TJF |
| PROJECT ID | 120504 |
| SHEET | P.8 |
| TOTAL | 76 |

PROTECTION OF EXISTING UTILITIES AND PIPES

THE CONTRACTOR SHALL BE REQUIRED, AT HIS OWN EXPENSE, TO DO EVERYTHING NECESSARY TO PROTECT, SUPPORT AND SUSTAIN ALL STORM SEWERS, WATER OR GAS PIPES, ELECTRIC LIGHTS, POWER AND TELEPHONE POLES, CONDUIT AND OTHER FIXTURES LAID ACROSS OR ALONG THE SITE OF THE WORK. THE ENGINEER AS WELL AS THE COMPANY OR CORPORATION OWNING SAID PIPES, POLES OR CONDUITS MUST BE NOTIFIED OF THE SAME BY THE CONTRACTOR, BEFORE ANY SUCH FIXTURES ARE REMOVED OR DISTURBED. IN CASE ANY OF THE SAID SEWER, GAS OR WATER PIPES, SERVICE PIPES, ELECTRIC LIGHT, POWER AND TELEPHONE POLES, CONDUITS OR OTHER FIXTURES ARE DAMAGED THEY SHALL BE REPAIRED BY THE AUTHORITIES HAVING CONTROL OF THE SAME, AND THE EXPENSE OF SAID REPAIRS SHALL BE DEDUCTED FROM THE MONIES WHICH ARE DUE OR TO BECOME DUE TO THE CONTRACTOR UNDER THIS CONTRACT.

SHOULD IT BECOME NECESSARY TO CHANGE THE POSITION, OR TEMPORARILY REMOVE ANY STORM SEWERS, SANITARY SEWER, ELECTRIC CONDUITS, WATER PIPES, GAS PIPES OR OTHER PIPES OR WIRES IN ORDER TO PERMIT THE CONTRACTOR TO USE A PARTICULAR METHOD OF CONSTRUCTION OR IN ORDER TO CLEAR THE STRUCTURES BEING BUILT, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF THE LOCATIONS AND CIRCUMSTANCES AND SHALL CEASE WORK, IF NECESSARY, UNTIL SATISFACTORY ARRANGEMENTS HAVE BEEN MADE BY THE OWNERS OF SAID PIPES OR WIRES TO PROPERLY CARE FOR THE SAME. NO CLAIMS FOR DAMAGES WILL BE ALLOWED ON ACCOUNT OF ANY DELAY OCCASIONED THEREBY. THE ENTIRE COST OF THE CHANGES OR TEMPORARY REMOVAL MUST BE INCLUDED IN THE PRICES STIPULATED FOR THE VARIOUS ITEMS OF WORK TO BE DONE UNDER THIS CONTRACT.

NO SURFACE, GROUND OR TRENCH WATER SHALL BE ALLOWED TO FLOW INTO EXISTING SANITARY SEWERS. CONNECTIONS OF NEW AND EXISTING SANITARY SEWERS SHALL BE KEPT PLUGGED UNTIL ACCEPTANCE OF THE NEW LINES.

CONFLICTS WITH EXISTING WATER SERVICES

THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING REPAIRS TO EXISTING WATER SERVICE LINES WHERE IT BECOMES NECESSARY TO RAISE OR LOWER SERVICES TO CLEAR THE PROPOSED CONSTRUCTION OR WHERE EXISTING WATER SERVICES ARE DAMAGED DURING CONSTRUCTION. REPAIRS SHALL BE MADE USING APPROVED PIPE, UNIONS AND COUPLERS AND SHALL BE COMPLETED TO THE SATISFACTION OF THE ENGINEER AND THE WATER DEPARTMENT. THE COST OF REPAIRING EXISTING WATER SERVICE LINES, INCLUDING ALL LABOR, MATERIALS, TOOLS AND EQUIPMENT NECESSARY TO COMPLETE THE REPAIRS SHALL BE INCLUDED IN THE UNIT PRICES BID FOR THE WATERWORK, SANITARY SEWER, AND STORM SEWER ITEMS. NO SEPARATE PAYMENT WILL BE MADE.

WATER LINE TRACER TAPE

INSTALL TRACER TAPE OVER WATER LINES, INCLUDING SERVICE LINES. PLACE THE TRACER TAPE APPROXIMATELY 1 FOOT ABOVE THE TOP OF THE WATER LINE AND EXTEND THE TAPE FOR THE FULL LENGTH OF THE WATER LINE. USE TRACER TAPE THAT IS DETECTABLE TYPE AND IS MARKED "WATER". PAYMENT FOR THE TRACER TAPE IS TO BE INCLUDED IN THE UNIT PRICE BID FOR THE APPLICABLE WATER LINE OR SERVICE LINE.

ITEM 638 - BY SIZE COPPER SERVICE BRANCH

AT THE COMPLETION OF THE NEW WATER LINE CONSTRUCTION THE EXISTING SERVICE BRANCH AND APPURTENANCES SHALL BE REMOVED FROM THE EXISTING WATER LINE TO THE CONNECTION OF THE NEW WATER SERVICE AND DISPOSED OF IN ACCORDANCE WITH ODOT CMS 202 INCIDENTAL TO ITEM 638.

THE FOLLOWING ESTIMATED QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY TO BE USED AS DIRECTED BY THE ENGINEER TO PROVIDE A CONNECTION TO DETERIORATED EXISTING WATER SERVICE BRANCHES AND FOR FIELD ADJUSTMENTS.

- 638 - 1" COPPER SERVICE BRANCH 60 FT
- 638 - 2" COPPER SERVICE BRANCH 80 FT

WATER SERVICES ARE TO BE SIZED AS INDICATED IN THE GENERAL SUMMARY. ALL TAPPING SADDLES, CORPORATION STOPS, BENDS, COUPLINGS, AND OTHER INCIDENTALS AS NEEDED TO MAKE A COMPLETE CONNECTION TO THE EXISTING SERVICES SHALL BE INCLUDED IN THE PERTINENT AS PER PLAN ITEM. ALL LABOR, MATERIALS, EQUIPMENT, AND INCIDENTALS SHALL BE INCLUDED WITH THIS ITEM COMPLETE AS APPROVED BY THE ENGINEER.

ITEM 638 - BY SIZE, GATE VALVE AND VALVE BOX, AS PER PLAN

VALVES SHALL CONFORM IN ALL RESPECTS WITH AMERICAN WATER WORKS ASSOCIATION STANDARD C509 FOR GATE VALVES, THREE INCH THROUGH FORTY-EIGHT INCH FOR WATER AND OTHER LIQUIDS.

VALVES SHALL BE FURNISHED WITH RESILIENT WEDGE GATES, AND WITH NON-RISING STEMS. ALL VALVES SHALL OPEN BY TURNING THE STEM IN A COUNTER-CLOCKWISE DIRECTION. VALVE ENDS SHALL BE MECHANICAL JOINT UNLESS OTHERWISE NOTED ON THE PLANS. VALVES SHALL BE FURNISHED WITH TWO INCH SQUARE OPERATING NUTS. NUTS SHALL HAVE AN ARROW AND THE WORD "OPEN" CAST THEREON TO INDICATE THE DIRECTION OF TURNING TO OPEN THE VALVE.

THE MANUFACTURER OF THE VALVES FURNISHED UNDER THIS ITEM SHALL FURNISH A SWORN STATEMENT THAT THE INSPECTIONS AND TESTS REQUIRED BY A.W.W.A. STANDARD C509 HAVE BEEN MADE AND PERFORMED AND THAT THE VALVES FURNISHED COMPLY WITH THE SPECIFICATIONS IN ALL RESPECTS.

WITH THE VALVE OPEN, AN UNOBSTRUCTED WATERWAY SHALL BE AFFORDED, THE DIAMETER OF WHICH IS NOT LESS THAN THE FULL NOMINAL DIAMETER OF THE VALVE.

SHOP DRAWINGS SHALL BE SUBMITTED FOR APPROVAL IN ACCORDANCE WITH THE GENERAL PROVISIONS OF THE SPECIFICATIONS. SHOP DRAWINGS SHALL SHOW PRINCIPAL DIMENSIONS, CONSTRUCTION DETAILS, AND MATERIALS USED FOR ALL PARTS OF THE VALVE.

VALVE BOX. ALL VALVES SHALL BE INSTALLED WITH VALVE BOXES OF APPROPRIATE LENGTH.

VALVE BOXES SHALL BE BUFFALO TYPE, TWO-PIECE, CAST IRON, 5 1/4" SLIDING TYPE SHAFT. EACH BOX SHALL BE COMPLETE WITH LID, WITH THE WORD "WATER" CAST THEREON.

SPECIAL CARE SHALL BE EXERCISED IN BACKFILLING AROUND EACH VALVE BOX TO PREVENT DISPLACEMENT OF THE BOX. WHEN THE BACKFILLING OPERATION HAS BEEN COMPLETED, THE BOX SHAFT SHALL BE PLUMB AND CENTERED OVER THE VALVE OPERATING NUT, WITH THE TOP LEVEL WITH THE FINISH GRADE OR AT THE ELEVATION CALLED FOR BY THE ENGINEER. THE BOX SHALL BE CLEANED OF ALL STONES AND DEBRIS WHICH MAY INTERFERE WITH THE OPERATION OF THE VALVE.

CONNECTIONS TO EXISTING WATERLINES

PAYMENT FOR CONNECTIONS TO EXISTING WATERLINES AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER SHALL BE INCLUDED IN THE UNIT PRICE BID FOR WATER MAIN DUCTILE IRON PIPE ANSI CLASS 53, BOLTLESS-RESTRAINED JOINTS AND FITTINGS, OR WATER MAIN POLYVINYL CHLORIDE PIPE AND FITTINGS, AWWA C909. NO ADDITIONAL PAYMENT SHALL BE MADE.

WATERLINE ITEMS REMOVED

THE VILLAGE OF PLYMOUTH MAY WISH TO RETAIN THE WATER VALVES AND VALVE BOXES AND THE FIRE HYDRANTS THAT WILL BE REMOVED ON THE PROJECT. THESE ITEMS WILL BE CAREFULLY REMOVED AND STORED WITHIN THE PROJECT LIMITS. THE CONTRACTOR SHALL CONTACT THE VILLAGE OF PLYMOUTH WATER SUPERINTENDENT TO DETERMINE IF THE VILLAGE WISHES TO SALVAGE THESE ITEMS. IF THE VILLAGE WISHES TO SALVAGE THESE ITEMS THEY SHALL BE DELIVERED TO A VILLAGE SPECIFIED LOCATION, OTHERWISE THEY SHALL BE DISPOSED OF IN ACCORDANCE WITH THE APPLICABLE ITEM. PAYMENT FOR ALL OF THE ABOVE WORK SHALL BE INCLUDED IN THE CONTRACT PRICE FOR THE PERTINENT ITEM.

ITEM 638 - CONDUIT BORED OR JACKED

WHERE IT IS SPECIFIED THAT A CONDUIT BE INSTALLED BY THE METHOD OF BORING OR JACKING, NO TRENCH EXCAVATION IS PERMITTED WITHIN 10 FEET OF THE NEAREST RAIL. PROVIDE A STEEL CASING PIPE CONFORMING TO 748.06. JOINTS WITH A CIRCUMFERENCIAL FULLY PENETRATING B-U4b WELD THAT IS PERFORMED BY A CERTIFIED WELDER FOR WELDING CODE AMERICAN WELDING SOCIETY (AWS) D1. 1 OR MACHINED INTERLOCKING JOINTS ARE PERMITTED. THE INSTALLED CASING PIPE IS THE STORM WATER CONVEYANCE CARRIER UNLESS OTHERWISE SPECIFIED IN THE PLANS. HYDROSTATIC TESTING IS NOT REQUIRED FOR THE CASING PIPE.

638 - 20" STEEL PIPE ENCASEMENT, BORED AND JACKED 25 FT

ITEM 611 - CONDUIT UNDER RAILROAD

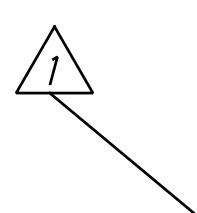
ANY COSTS FOR WATCHMEN OR FLAGGERS REQUIRED BY AN ALTERNATE METHOD OF INSTALLATION ARE THE RESPONSIBILITY OF THE CONTRACTOR. THE COSTS FOR WATCHMEN OR FLAGGERS DUE TO THE NEGLIGENCE OF THE CONTRACTOR, OR ANY SUB-CONTRACTOR, IN CONNECTION WITH THE INSTALLATION OF THE CONDUIT MUST BE PAID BY THE CONTRACTOR.

THE COST OF ANY TRACK SUPPORTS REQUIRED BY AN ALTERNATE METHOD OF INSTALLATION OF CONDUIT ARE THE RESPONSIBILITY OF THE CONTRACTOR.

THE CONTRACTOR IS RESPONSIBLE TO SECURE APPROVAL OF OPERATIONS FROM THE VILLAGE AND THE RAIL COMPANY. THE RAIL COMPANY WILL PERFORM AN ENGINEERING REVIEW OF METHODS OF OPERATIONS AND ENGINEERING SUPERVISION OF CONSTRUCTION WITHOUT COST TO THE CONTRACTOR.

PRIOR TO BIDDING, COORDINATE WITH THE RAIL COMPANY TO AGREE UPON THE REQUIREMENTS OF WATCHMEN AND FLAGGERS TO PROTECT RAILROAD TRAFFIC DURING THE CONTRACTOR'S OPERATIONS. EXECUTE A BOND IN FAVOR OF BOTH THE VILLAGE AND THE COMPANY AS REQUIRED BY SECTION 5525.16 OF THE REVISED CODE OF OHIO.

COORDINATE WITH THE RAIL COMPANY CONCERNING WORK ADJACENT TO RAILROAD TRACKS, IN ORDER TO AVOID DELAY TO, OR INTERFERENCE WITH RAILROAD TRAFFIC, AND NOTIFY THE RAIL COMPANY 72 HOURS IN ADVANCE OF CONSTRUCTION OPERATIONS.



GENERAL NOTES

HUR-CR11-2.96

MODEL: Sheet PAPER:SIZE: 34x22 (in.) DATE: 4/14/2026 TIME: 3:32:15 PM USER: SMorr F:\2023\22105 VAR-Statewide Engineering Munt Bridge\Task 7 RIC-Baseline Road Plymouth\20504\400-Engineering\Roadway\Sheets\120504_GN001_NEW WATERLINE LAYOUT.dgn

| ADDENDUM 1 | | |
|------------|---------|----------------------|
| | 4/14/26 | ADD WATER NOTE SHEET |
| | | |

DESIGN AGENCY



DESIGNER
PRS

REVIEWER
DAW 2-16-26

PROJECT ID
120504

SHEET TOTAL
P.8A | 76

CROSSINGS AND CONNECTIONS TO EXISTING PIPES AND UTILITIES

WHERE PLANS PROVIDE FOR A PROPOSED CONDUIT TO BE CONNECTED TO, OR CROSS OVER OR UNDER AN EXISTING SEWER OR UNDERGROUND UTILITY, THE CONTRACTOR SHALL LOCATE THE EXISTING PIPES OR UTILITIES BOTH AS TO LINE AND GRADE BEFORE STARTING TO LAY THE PROPOSED CONDUIT.

IF IT IS DETERMINED THAT THE ELEVATION OF THE EXISTING CONDUIT, OR EXISTING APPURTENANCE TO BE CONNECTED, DIFFERS FROM THE PLAN ELEVATION OR RESULTS IN A CHANGE IN THE PLAN CONDUIT SLOPE, THE ENGINEER SHALL BE NOTIFIED BEFORE STARTING CONSTRUCTION OF ANY PORTION OF THE PROPOSED CONDUIT WHICH WILL BE AFFECTED BY THE VARIANCE IN THE EXISTING ELEVATIONS.

IF IT IS DETERMINED THAT THE PROPOSED CONDUIT WILL INTERSECT AN EXISTING SEWER OR UNDERGROUND UTILITY IF CONSTRUCTED AS SHOWN ON THE PLAN, THE ENGINEER SHALL BE NOTIFIED BEFORE STARTING CONSTRUCTION OF ANY PORTION OF THE PROPOSED CONDUIT WHICH WOULD BE AFFECTED BY THE INTERFERENCE WITH AN EXISTING FACILITY.

PAYMENT FOR ALL THE OPERATIONS DESCRIBED ABOVE SHALL BE INCLUDED IN THE CONTRACT PRICE FOR THE PERTINENT 611 CONDUIT ITEM.

CLEAN WATER

EXISTING ROOF DRAINS, FOOTER DRAINS OR YARD DRAINS DISTURBED BY THE PROPOSED WORK SHALL BE PROVIDED WITH UNOBSTRUCTED OUTLETS BY CONNECTING TO A STORM SEWER OR STORM MANHOLE IF AVAILABLE AS APPROVED BY THE ENGINEER.

VILLAGE OF PLYMOUTH GENERAL CONSTRUCTION NOTES

1. ALL EXISTING APPURTENANCES (UTILITY POLE, VALVES, HYDRANTS, MANHOLES, ETC.) ARE TO BE MAINTAINED BY THE CONTRACTOR UNLESS OTHERWISE SHOWN IN THE PLANS.
2. THE DESIGN ENGINEER CERTIFIES THAT ALL UTILITIES ARE SHOWN BASED ON AVAILABLE EXISTING RECORDS, INFORMATION FURNISHED BY THE UTILITY OWNERS, OR WHERE FIELD LOCATED WHEN VISIBLE.
3. KNOWN ABOVE AND UNDERGROUND SERVICES HAVE BEEN NOTED ON THE DRAWINGS. THE CONTRACTOR ACCEPTS FULL RESPONSIBILITY FOR ANY SERVICES DAMAGED DURING THE CONSTRUCTION OF THE PROJECT WHETHER SHOWN OR NOT ON THE DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING THE SERVICE AS SOON AS POSSIBLE AT THE CONTRACTOR'S OWN EXPENSE. AT A MINIMUM, THE CONTRACTOR SHALL FIELD VERIFY THE LOCATION OF WATER, GAS, AND UNDERGROUND ELECTRIC LINES WITHIN THE CONSTRUCTION LIMITS.
4. NOTIFY THE ENGINEER A MINIMUM OF FOURTEEN (14) DAYS PRIOR TO THE START OF CONSTRUCTION.
5. A PRECONSTRUCTION MEETING SHALL BE SCHEDULED PRIOR TO CONSTRUCTION. A PRECONSTRUCTION MEETING MUST BE HELD PRIOR TO START OF CONSTRUCTION. THE CONTRACTOR SHALL SUBMIT ALL SHOP DRAWINGS AND CATALOG CUT SHEETS FOR ALL EQUIPMENT TO THE ENGINEER FOR APPROVAL PRIOR TO THE INSTALLATION OF THE EQUIPMENT.
6. ALL ROAD SURFACES, EASEMENTS, OR RIGHT-OF-WAY DISTURBED BY THE CONSTRUCTION OF ANY PART OF THESE IMPROVEMENTS ARE TO BE RESTORED AS DIRECTED BY THE ENGINEER.
7. ALL DISTURBED STORM SEWERS AND/OR APPURTENANCES, SIGNS, GUARDRAIL, MAILBOXES, PAPER BOXES, DRIVE CULVERTS, FENCES, TREES, LANDSCAPING, OR OTHER ITEMS DISTURBED BY THE CONSTRUCTION SHALL BE RESTORED OR REPAIRED TO AT LEAST THE BEFORE-CONSTRUCTION CONDITION.
8. ANY DEFECTS DISCOVERED IN NEW CONSTRUCTION, WORKMANSHIP, EQUIPMENT OR MATERIALS SHALL BE REPAIRED, OR CORRECTED BY APPROVED METHODS AS DIRECTED BY THE VILLAGE OF PLYMOUTH.
9. THE CONTRACTOR MUST ALERT THE OHIO UTILITY PROTECTION SERVICES AT 1-800-362-2764 AT LEAST 48 HOURS BEFORE ANY EXCAVATION IS TO BEGIN.
10. APPROVAL BY THE VILLAGE OF PLYMOUTH ENGINEER CONSTITUTES NEITHER EXPRESSED NOR IMPLIED WARRANTIES AS TO THE FITNESS, ACCURACY, OR SUFFICIENCY OF THE PLANS, DESIGNS OR SPECIFICATIONS.
11. COMPLIANCE WITH THE OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970 IS REQUIRED BY ALL CONTRACTORS ON THIS PROJECT.
12. IF MUD, SOIL, OR OTHER DEBRIS IS DEPOSITED ON ADJACENT STREETS, ROADS, OR OTHER PROPERTY, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF SUCH AS DIRECTED BY THE ENGINEER AT THE END OF EACH WORK DAY, OR AS REQUIRED DURING THE WORK DAY.

13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING AND PROTECTING THE FLOW OF VEHICULAR AND PEDESTRIAN TRAFFIC AROUND THE JOB SITE. TRAFFIC CONTROL SHALL BE COORDINATED WITH THE VILLAGE OF PLYMOUTH POLICE DEPARTMENT.
14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING PLANT TICKETS FOR ALL MATERIALS DELIVERED TO THE SITE. PLANT TICKETS MUST SHOW NET QUANTITY OF DELIVERED MATERIAL. MATERIAL DELIVERED OR PLACED WITHOUT PLANT TICKETS SHALL BE REMOVED AND PROPERLY DISCLOSED AT THE EXPENSE OF THE CONTRACTOR.
15. ALL DELIVERED MATERIALS SHALL MEET THE STANDARDS AND SPECIFICATIONS OF THE VILLAGE OF PLYMOUTH OR OTHER APPLICABLE AGENCIES. THE VILLAGE OF PLYMOUTH, OR ITS REPRESENTATIVE, RESERVES THE RIGHT TO REJECT ANY DELIVERED MATERIAL WHICH DOES NOT CONFORM TO THE APPLICABLE STANDARDS AND SPECIFICATIONS.
16. THE VILLAGE OF PLYMOUTH OR ITS REPRESENTATIVE, RESERVES THE RIGHT TO HALT ALL CONSTRUCTION ACTIVITY FOR NONCONFORMANCE OF PLANS, SPECIFICATIONS AND OTHER APPLICABLE STANDARDS OR REGULATIONS.
17. ALL CHANGES TO APPROVED DRAWINGS AND/OR SPECIFICATIONS MUST BE REAPPROVED BY THE VILLAGE OF PLYMOUTH PRIOR TO CONSTRUCTION.
18. THE LIMITS OF CLEARING AND GRADING SHALL BE FIELD STAKED 48 HOURS (2 WORKING DAYS) PRIOR TO THE PRECONSTRUCTION MEETING. AREAS BEYOND THE LIMITS OF CLEARING AND GRADING SHALL NOT BE DISTURBED INCLUDING THE STOCKPILE OF ANY MATERIALS OR CONSTRUCTION TRAFFIC.
19. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER IF SUSPECTED HAZARDOUS MATERIAL OR ANY OTHER MATERIAL THAT MAY CREATE A HEALTH RISK IS DISCOVERED ON SITE.
20. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND PAYING FOR ALL PERMITS REQUIRED FOR THE PROJECT.



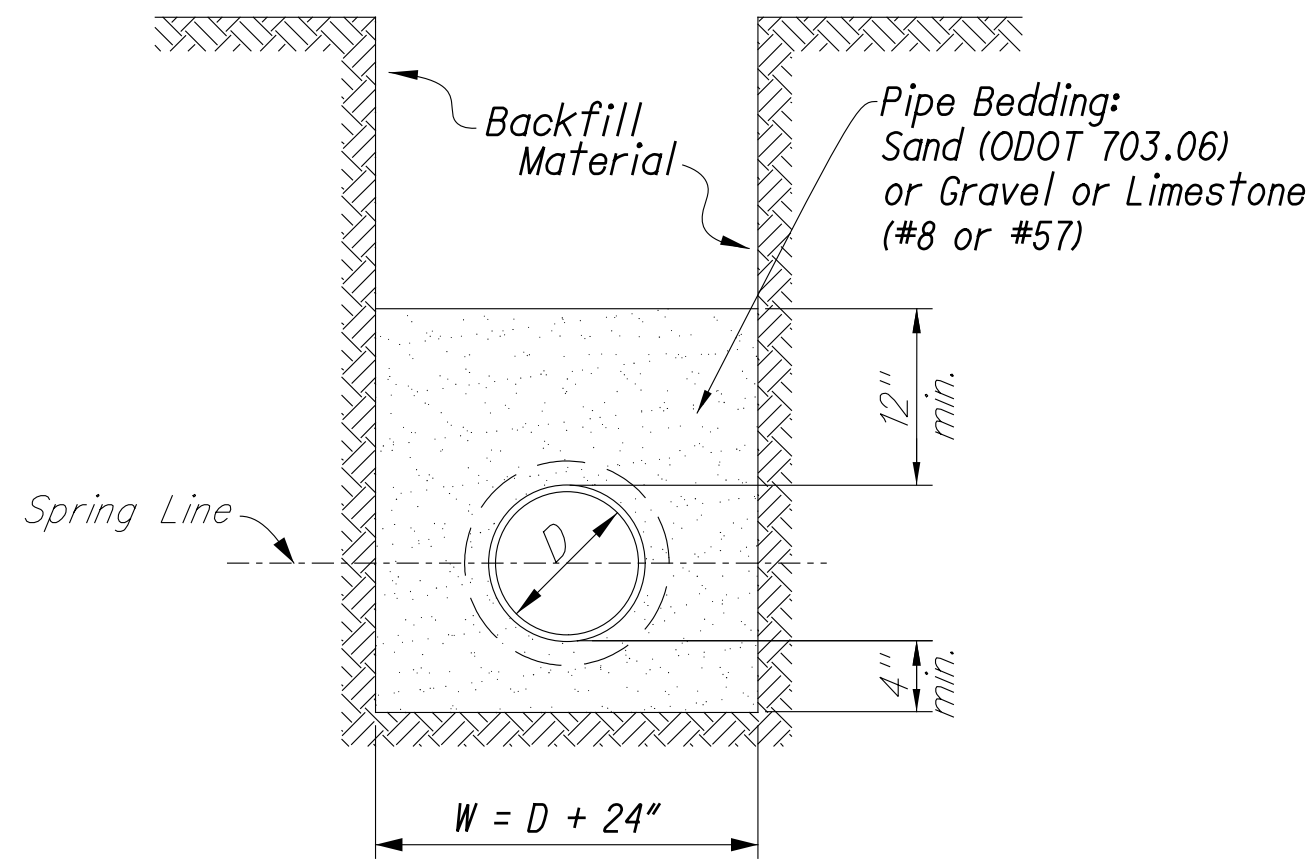
GENERAL NOTES

HUR-CR11-2.96

MODEL: Sheet PAPER: SIZE: 34x22 (in.) DATE: 4/14/2026 TIME: 3:32:24 PM USER: SMorr F:\2023\22105 VAR-Statewide Engineering Munt Bridge\Task 7 RIC-Baseline Road Plymouth\120504\400-Engineering\Roadway\Sheets\120504_GN001_NEW WATERLINE LAYOUT.dgn

| ADDENDUM 1 | | |
|------------|---------|----------------------|
| i | 4/14/26 | ADD WATER NOTE SHEET |
| | | |

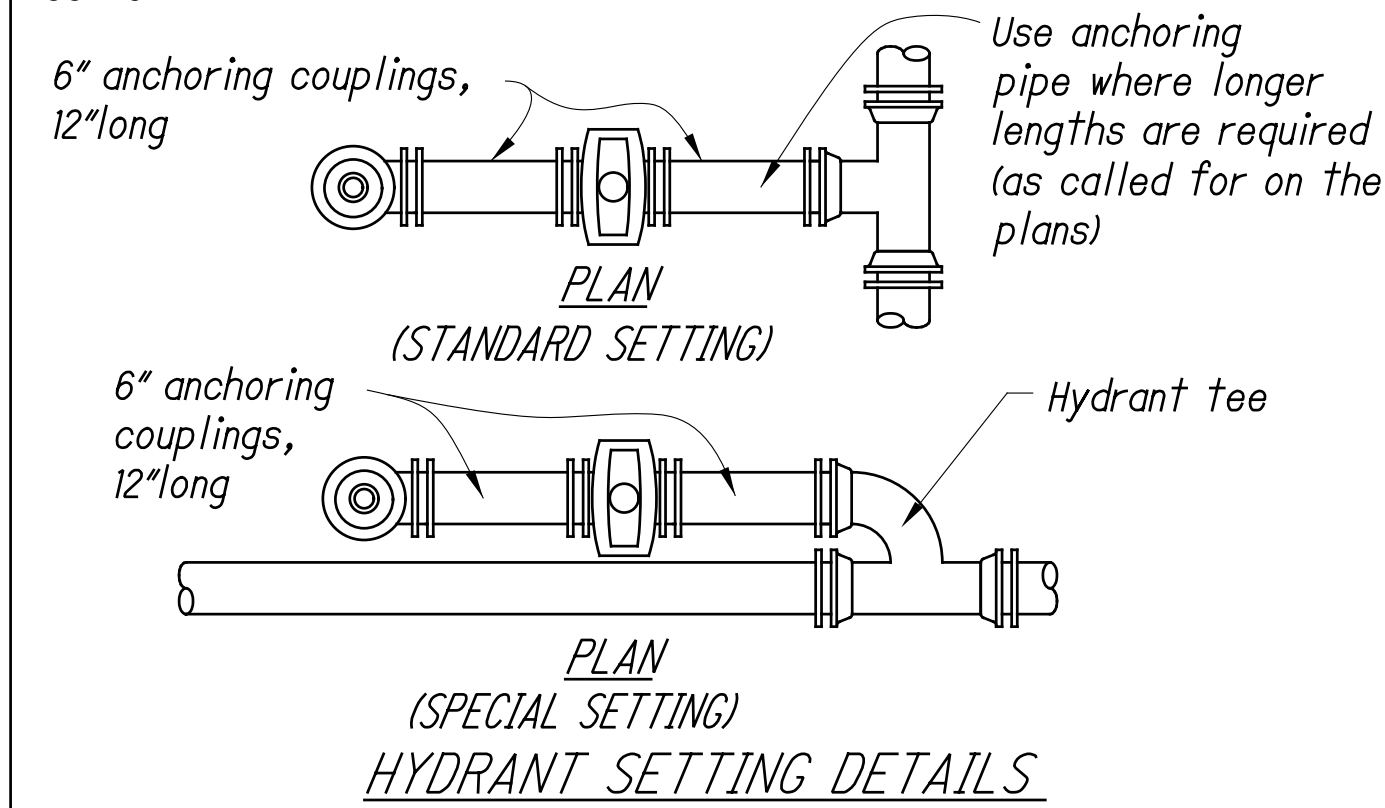
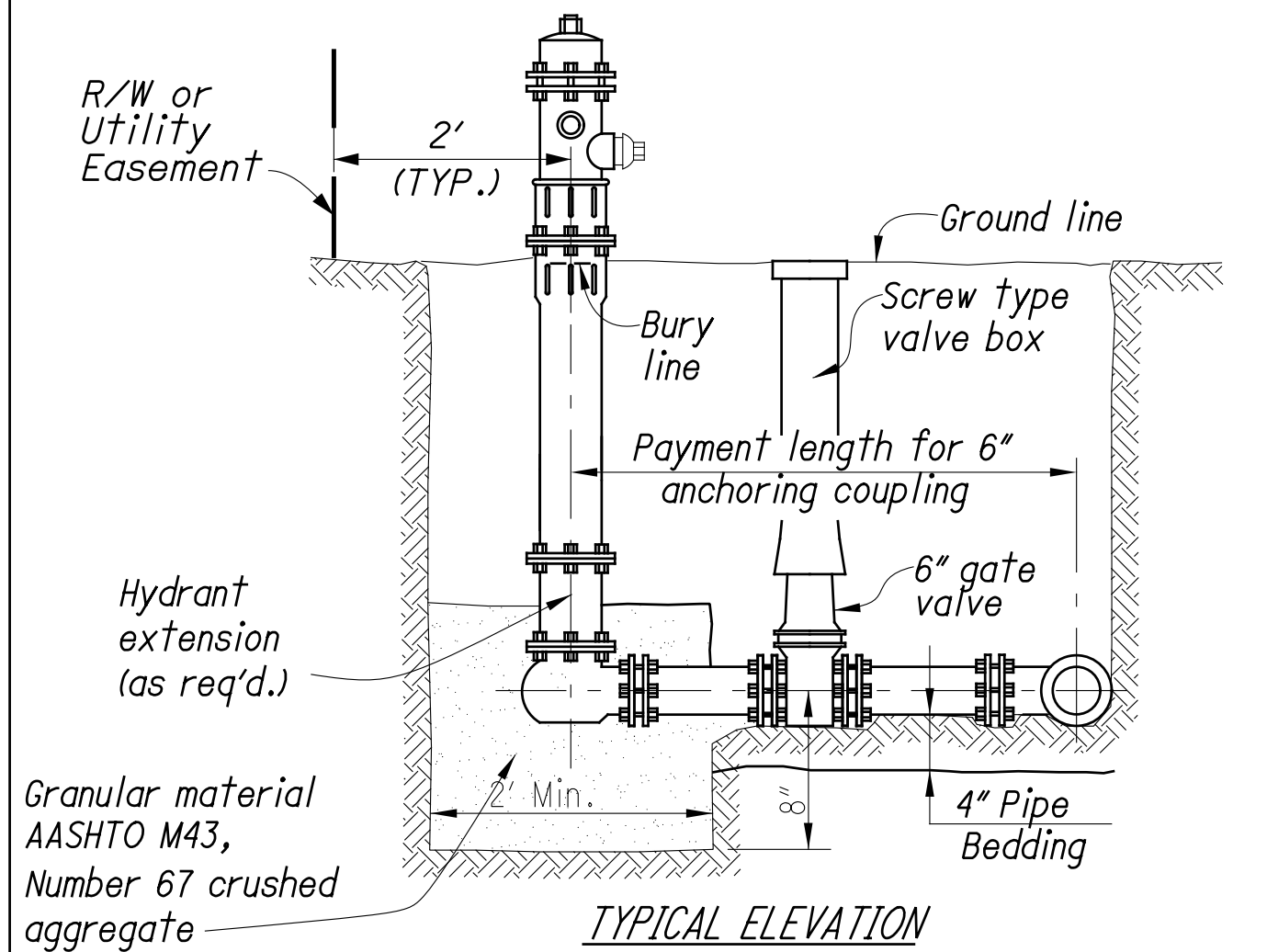
| | |
|---------------|---------|
| DESIGN AGENCY | |
| DESIGNER | PRS |
| REVIEWER | DAW |
| PROJECT ID | 2-16-26 |
| SHEET | 120504 |
| TOTAL | 76 |
| P.8B | 76 |



TYPICAL D.I.P./P.V.C. WATER LINE
PIPE BEDDING DETAILS

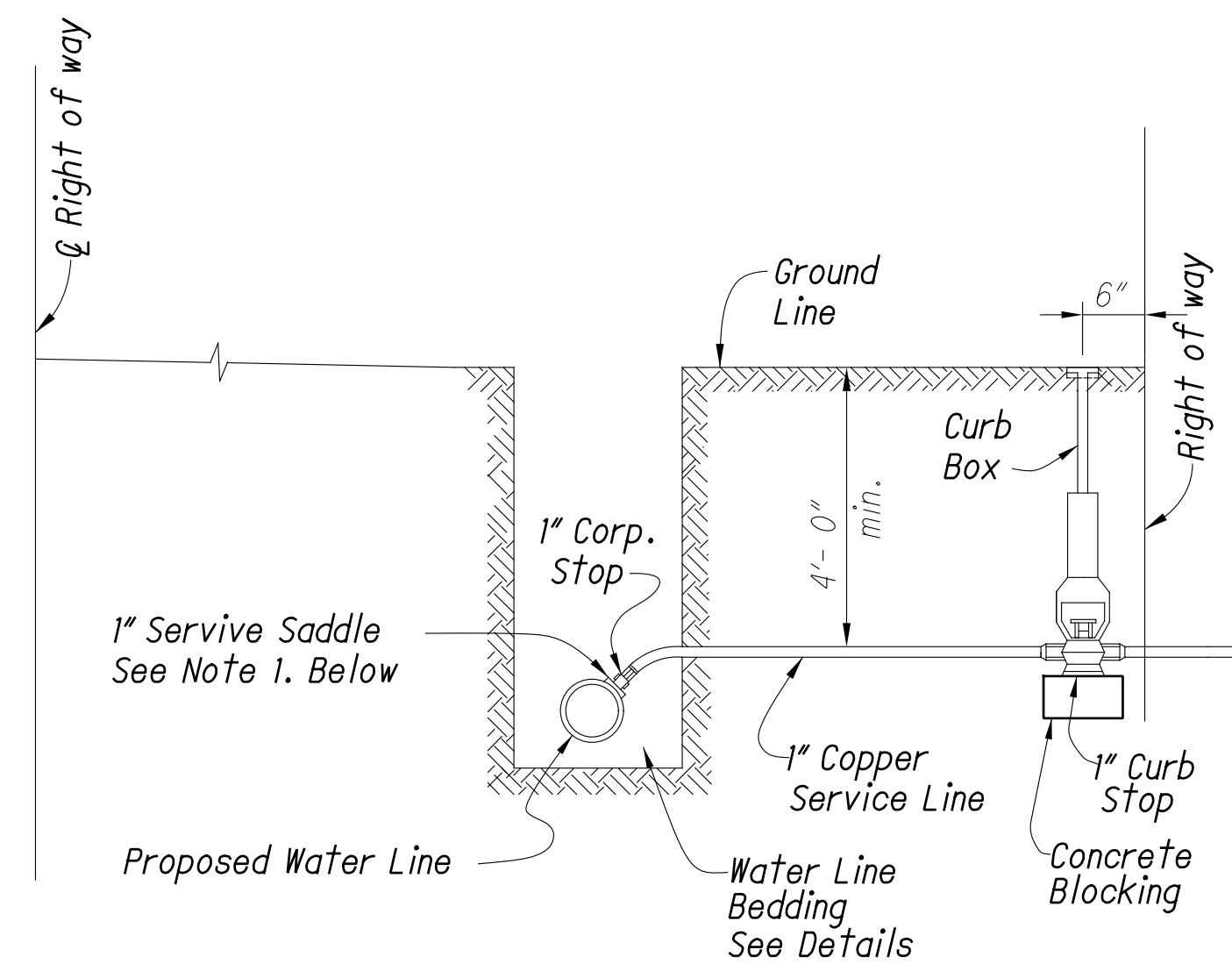
RICHLAND ENGINEERING LIMITED
CONSULTING ENGINEERS
29 NORTH PARK ST., MANSFIELD OHIO 44902

STANDARD
DWG. NO.
1-H



RICHLAND ENGINEERING LIMITED
CONSULTING ENGINEERS
29 NORTH PARK ST., MANSFIELD OHIO 44902

STANDARD
DWG. NO.
2

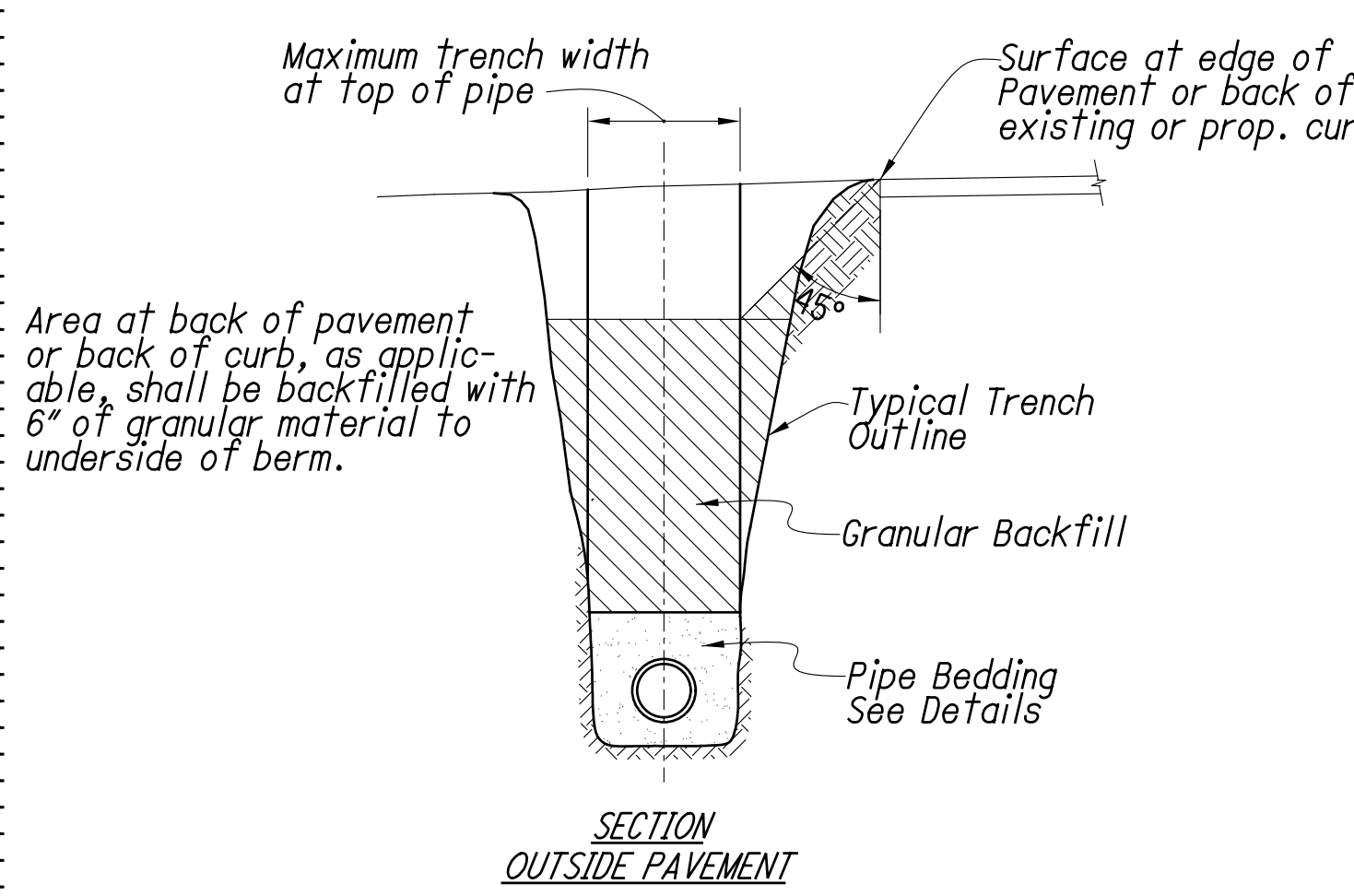


TYPICAL SERVICE LINE INSTALLATION

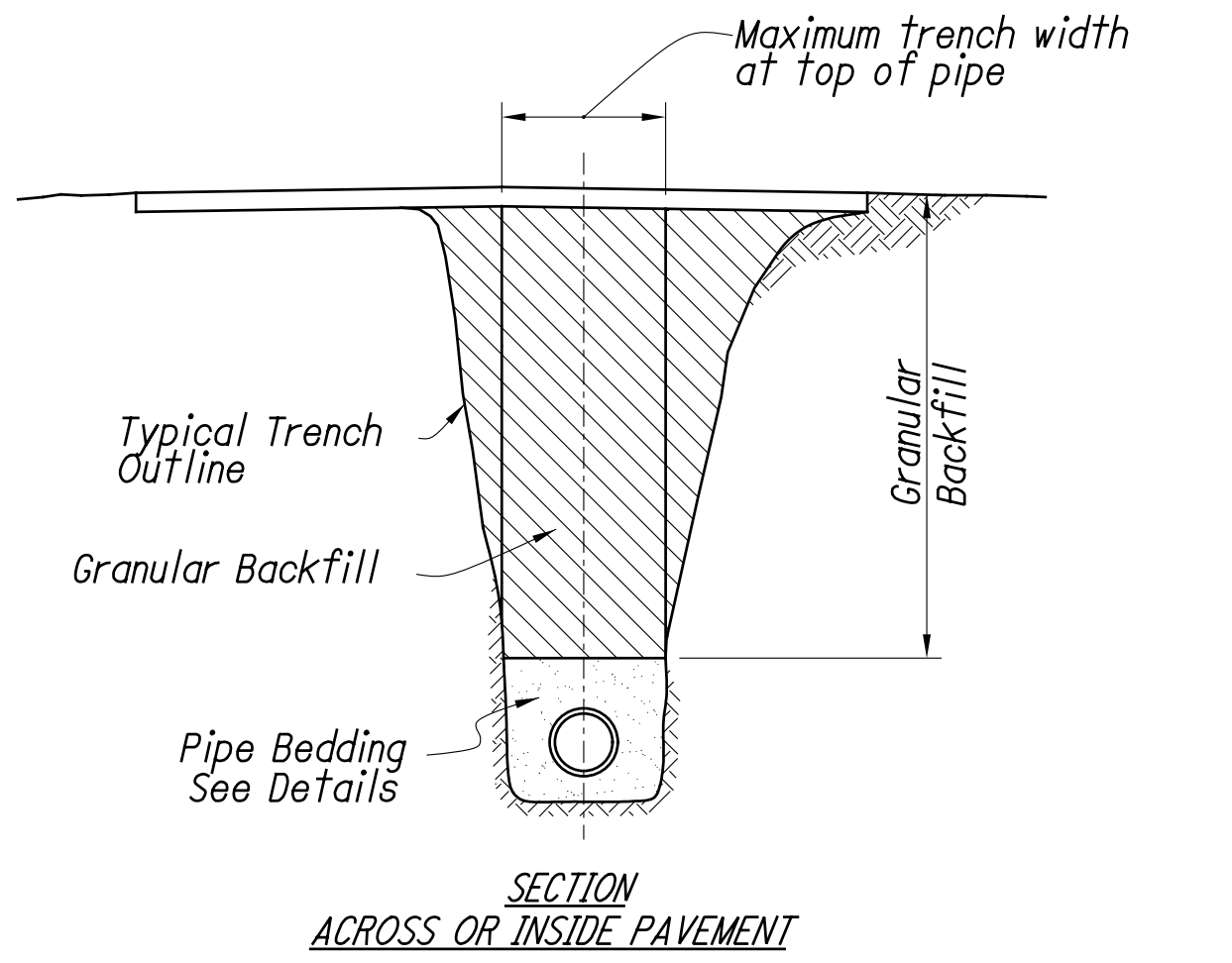
Note 1:
Service Saddles shall be provided
for taps on AWWA C-909 PVC pipe.
Ductile Iron Pipe may be tapped
directly, without saddles.

RICHLAND ENGINEERING LIMITED
CONSULTING ENGINEERS
29 NORTH PARK ST., MANSFIELD OHIO 44902

STANDARD
DWG. NO.
5-A



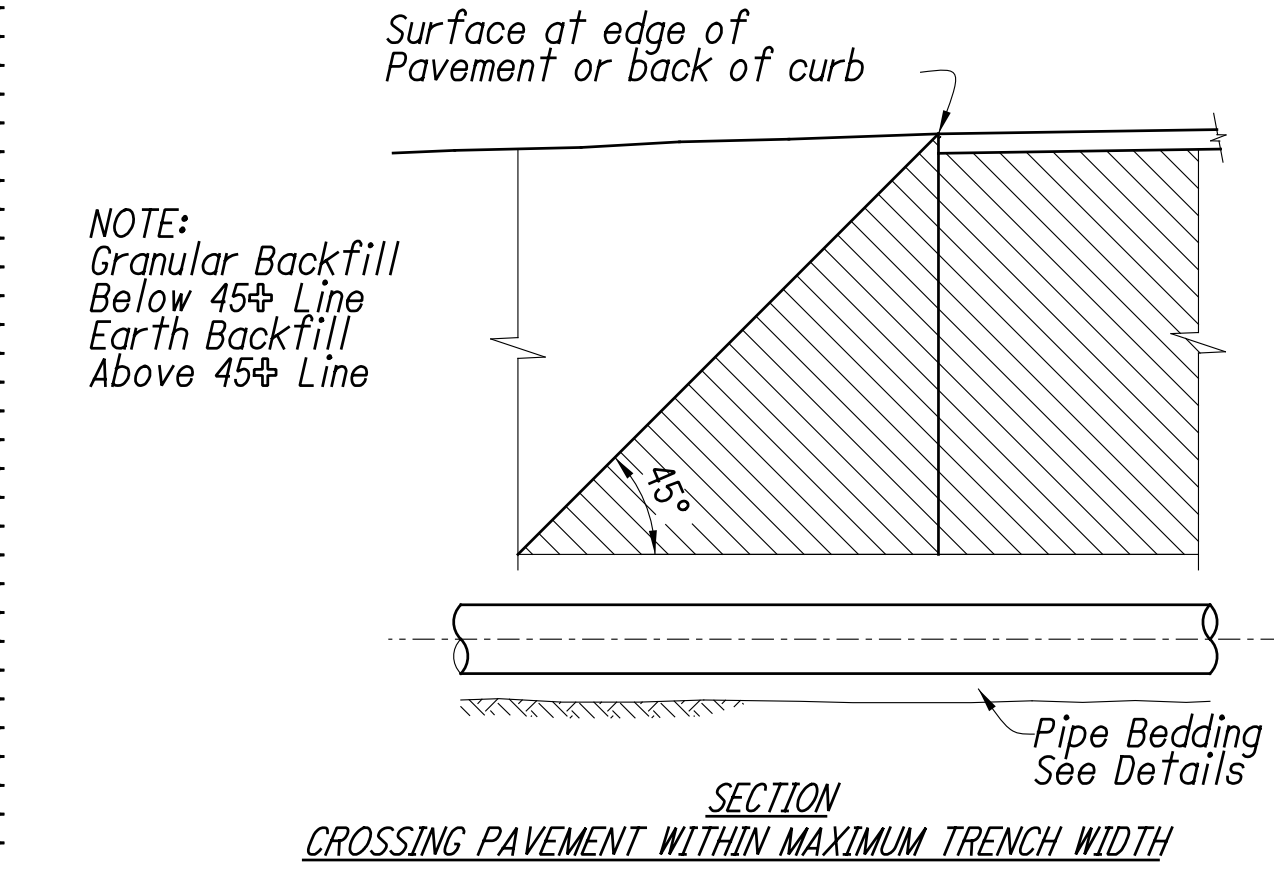
SECTION
OUTSIDE PAVEMENT



SECTION
ACROSS OR INSIDE PAVEMENT

Granular Backfill, ODOT 304, Crushed Limestone Compacted to not Less Than 100% of Maximum Density, as Determined in Accordance with ASTM D 1555 (Modified Proctor).

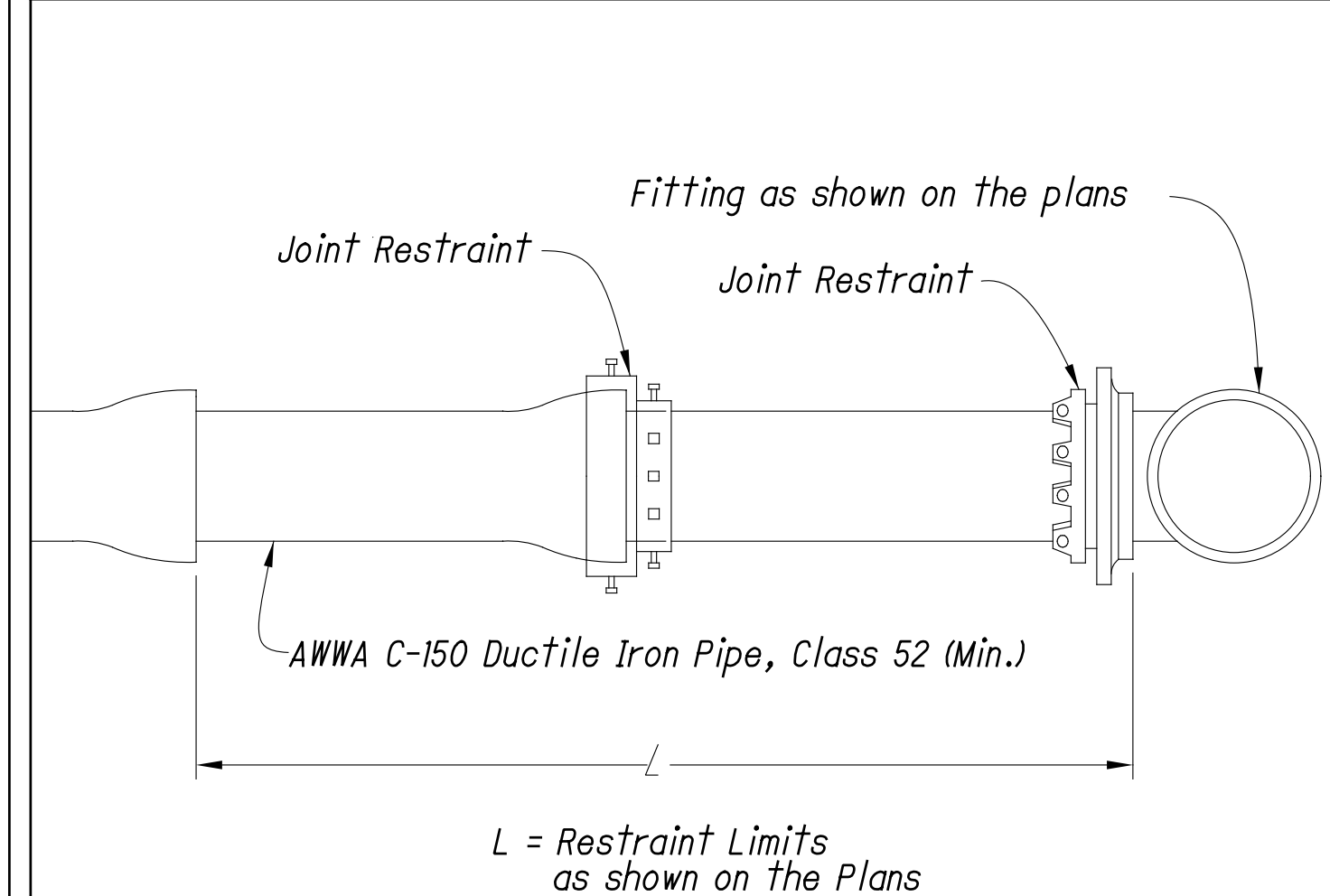
MAXIMUM TRENCH WIDTH:
WATER LINE: Pipe Outside Diameter Plus 24"



SECTION
CROSSING PAVEMENT WITHIN MAXIMUM TRENCH WIDTH

RICHLAND ENGINEERING LIMITED
CONSULTING ENGINEERS
29 NORTH PARK ST., MANSFIELD OHIO 44902

STANDARD
DWG. NO.
3-A



D.I.P. JOINT RESTRAINTS SHALL BE:
3" thru 42" Push-on-joint - EBAA Iron Series 800 or equal
3" thru 48" MJ Fitting - EBAA Iron Series 1100 or equal
P.V.C. JOINT RESTRAINTS SHALL BE:
4" thru 12" Push-on-joint - EBAA Iron Series 1600 or equal
3" thru 30" MJ Fitting - EBAA Iron Series 2000 or equal

TYPICAL WATER LINE
JOINT RESTRAINT DETAIL

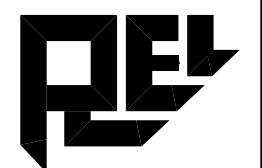
RICHLAND ENGINEERING LIMITED
CONSULTING ENGINEERS
29 NORTH PARK ST., MANSFIELD OHIO 44902

STANDARD
DWG. NO.
14-B

| ADDENDUM 1 | | |
|------------|---------|----------------------|
| 1 | 4/14/26 | ADD WATER NOTE SHEET |

GENERAL DETAILS

DESIGN AGENCY



DESIGNER
PRS

REVIEWER
DAW 2-16-26

PROJECT ID
120504

SHEET TOTAL
P.8C 76


HUR-CR11-2.96

MODEL: Sheet PAPER SIZE: 34x22 (in.) DATE: 4/14/2026 TIME: 3:32:32 PM USER: SMorr
F:\2023\22105 VAR-Statewide Engineering Muni Bridge\Task 7 RIC-Baseline Road Plymouth\120504\400-Engineering\Roadway\Sheets\120504_GN001_NEW WATERLINE LAYOUT.dgn

| SHEET NO. | REF NO. | STATION | | SIDE | 202 | | | 601 | | 608 | | 611 | | | | | | | | | |
|--|---------|-----------|-----------|-------|--------------------------------------|---------------------|------------------------------------|---|---|---|--------------------|---------------------|----------------------------------|---------------------|---------------------|---------------------------------|-----------------------|----------------|--------------------------------|--|--|
| | | FROM | TO | | PIPE REMOVED, 24" DIAMETER AND UNDER | CATCH BASIN REMOVED | CRUSHED AGGREGATE SLOPE PROTECTION | 6" UNCLASSIFIED PIPE UNDERDRAINS WITH GEOTEXTILE FABRIC | 6" BASE PIPE UNDERDRAINS WITH GEOTEXTILE FABRIC | 6" CONDUIT, TYPE F FOR UNDERDRAIN OUTLETS | 8" CONDUIT, TYPE C | 12" CONDUIT, TYPE B | 12" CONDUIT, TYPE B, AS PER PLAN | 12" CONDUIT, TYPE C | CATCH BASIN, NO. 3A | CATCH BASIN, NO. 5 WITH B GRATE | CATCH BASIN, NO. 2-2B | MANHOLE, NO. 3 | MANHOLE RECONSTRUCTED TO GRADE | | |
| | | FT | EACH | CY | FT | FT | FT | FT | FT | FT | FT | FT | EACH | EACH | EACH | EACH | EACH | | | | |
| | | 154+88.03 | 154+95.51 | LT | 7.48 | | | | | | | | | | | | | | | | |
| | | 154+95.21 | 154+95.51 | RT/LT | 31.00 | | | | | | | | | | | | | | | | |
| | | 154+95.51 | | LT | | 1 | | | | | | | | | | | | | | | |
| | | 154+95.21 | | RT | | 1 | | | | | | | | | | | | | | | |
| | | 154+95.50 | | LT | | | | | | | | | 1 | | | | | | | | |
| | | 154+95.50 | | RT | | | | | | | | | 1 | | | | | | | | |
| | | 155+35.00 | | RT | | | | | | | | | | | 1 | | | | | | |
| | | 155+24.34 | | CL | | | | | | | | | | | | 1 | | | | | |
| | | 155+50.00 | | LT | | | | | | | | | | | | 1 | | | | | |
| | | 155+80.00 | | LT | | | | | | | | | | | | 1 | | | | | |
| | | 155+85.00 | | RT | | | | | | | | | | | | 1 | | | | | |
| | | 155+94.02 | | LT | | | | | | | | | | | | | 1 | | | | |
| | | 156+05.00 | | LT | | | | | | | | | | 1 | | | | | | | |
| | | 156+05.00 | | RT | | | | | | | | | | 1 | | | | | | | |
| | | 156+05.00 | | CL | | | | | | | | | | | | | 1 | | | | |
| | | 157+68.59 | | RT | | | | | | | | | | | | | 1 | | | | |
| | | 158+20.00 | | RT | | | | | | | | | | | | 1 | | | | | |
| | | 158+65.00 | | RT | | | | | | | | | | | | 1 | | | | | |
| | | 499+20.16 | | RT | | | | | | | | | | | | | 1 | | | | |
| | | 500+30.00 | | LT | | | | | | | | | | | | | 1 | | | | |
| | | 500+30.00 | | RT | | | | | | | | | | | | | 1 | | | | |
| | | 500+30.00 | | RT | | | | | | | | | | | | | 1 | | | | |
| | | 154+88.03 | 154+95.50 | LT | | | | | | 7.50 | | | | | | | | | | | |
| | | 154+95.50 | 155+24.34 | LT/CL | | | | | | 31.00 | | | | | | | | | | | |
| | | 155+24.34 | 155+50.00 | CL/LT | | | | | | 43.0 | | | | | | | | | | | |
| | | 155+50.00 | 155+80.00 | LT | | | | | | | | | 30.00 | | | | | | | | |
| | | 155+24.34 | 156+05.00 | CL | | | | | | 80.66 | | | | | | | | | | | |
| | | 154+95.50 | 154+95.50 | LT/RT | | | | | | 31.00 | | | | | | | | | | | |
| | | 154+95.50 | 155+35.00 | RT | | | | | | | | | | 45.52 | | | | | | | |
| | | 155+35.00 | 155+85.00 | RT | | | | | | | | | | 50.08 | | | | | | | |
| | | 156+05.00 | 156+05.00 | LT/CL | | | | | | | | | | | | | | | | | |
| | | 156+05.00 | 156+05.00 | RT/CL | | | | | | | | | | | | | | | | | |
| | | 157+68.55 | 158+20.00 | RT | | | | | | | | | | | | | 51.45 | | | | |
| | | 158+20.00 | 158+65.00 | RT | | | | | | | | | | | | | 45.00 | | | | |
| | | 499+14.83 | 499+20.16 | RT | | | | | | | 5.33 | | | | | | | | | | |
| | | 499+20.16 | 500+30.00 | RT | | | | | | | 11.30 | | | | | | 109.84 | | | | |
| | | 500+30.00 | 501+36.39 | RT | | | | | | | | | | | | | 106.39 | | | | |
| | | 500+30.00 | 500+30.00 | LT/RT | | | | | | | | | | | | | 20.10 | | | | |
| | | 500+30.00 | 500+30.00 | RT | | | | | | | | | | | | | 5.50 | | | | |
| | | 154+36.97 | 154+95.50 | LT | | | | 48.53 | | 10.00 | | | | | | | | | | | |
| | | 154+95.50 | 155+10.16 | LT | | | | | 4.66 | 10.00 | | | | | | | | | | | |
| | | 155+38.00 | 156+00.00 | LT | | | | 52.00 | | 20.00 | | | | | | | | | | | |
| | | 156+05.00 | 156+45.25 | LT | | | | | | 30.25 | | | | | | | | | | | |
| | | 154+95.50 | 156+00.00 | RT | | | | | | 94.50 | | | | | | | | | | | |
| | | 156+05.00 | 156+45.25 | RT | | | | | | 30.25 | | | | | | | | | | | |
| | | 157+11.75 | 157+37.06 | RT | | | | | | 25.31 | | | | | | | | | | | |
| | | 500+30.00 | 501+56.21 | LT | | | | | | 116.21 | | | | | | | | | | | |
| | | 500+30.00 | 501+39.32 | RT | | | | | | 99.32 | | | | | | | | | | | |
| | | 701+39.71 | 701+55.56 | RT | | | | 10.86 | | 10.00 | | | | | | | | | | | |
| | | 800+16.05 | 800+30.00 | LT | | | | | | 19.02 | | | | | | | | | | | |
| | | 800+15.41 | 800+30.00 | RT | | | | 5.47 | | 10.00 | | | | | | | | | | | |
| | | 156+52.08 | 156+64.75 | LT/RT | | | | | | | | | | | | | 27.50 | | | | |
| | | 156+92.25 | 157+04.92 | LT/RT | | | | | | | | | | | | | 27.50 | | | | |
| SUBTOTALS | | | | | 38.48 | 2 | 55.00 | 116.86 | 419.52 | 110.00 | 16.63 | 213.26 | 32.00 | 443.78 | 6 | 1 | 6 | 4 | 1 | | |
| TOTALS CARRIED TO GENERAL SUMMARY | | | | | 39 | 2 | 55 | 117 | 420 | 110 | 17 | 214 | 32 | 444 | 6 | 1 | 6 | 4 | 1 | | |

DRAINAGE SUBSUMMARY

ADDENDUM 1
 4/14/26 REVISE/ADD DRAINAGE ITEMS

DESIGN AGENCY

 DESIGNER: PRS
 REVIEWER: TJF 8-29-25
 PROJECT ID: 120504
 SHEET TOTAL: P.20 76

WATER WORK SUBSUMMARY

| SHEET NO. | REF NO. | STATION | SIDE | 202 | | | 638 | | | | |
|--|---------|-----------|-----------|--------------------------------------|--|--|---|-----------------------------|---|-----------------------------|---|
| | | | | PIPE REMOVED, 24" DIAMETER AND UNDER | 6" WATER MAIN DUCTILE IRON PIPE ANSI CLASS 53, PUSH-ON JOINTS AND FITTINGS | 8" WATER MAIN DUCTILE IRON PIPE ANSI CLASS 53, PUSH-ON JOINTS AND FITTINGS | 20" STEEL PIPE ENCASEMENT, BORED AND JACKED | 8" GATE VALVE AND VALVE BOX | FIRE HYDRANT EXTENDED AND ADJUSTED TO GRADE | VALVE BOX ADJUSTED TO GRADE | |
| | | FROM | TO | FT | FT | FT | FT | EACH | EACH | EACH | |
| | | 154+53.00 | | | | | | | | 1 | |
| | | 155+35.00 | 156+25.00 | 90.00 | | | | | | | |
| | | 157+40.00 | 157+55.00 | 15.00 | | | | | | | |
| | | 155+35.00 | 156+48.00 | | | 113.00 | | | | | |
| | | 156+48.00 | 156+62.00 | | | 20.00 | | | | | |
| | | 156+62.00 | 156+92.50 | | | 31.00 | | | | | |
| | | 156+66.00 | 156+91.00 | | | | 25.00 | | | | |
| | | 156+92.50 | 157+06.00 | | | 20.00 | | | | | |
| | | 157+06.00 | 157+26.00 | | | 20.00 | | | | | |
| | | 157+26.00 | 157+40.00 | | | 14.00 | | | | | |
| | | 157+40.00 | 157+55.00 | | | 15.00 | | 1 | | | |
| | | 157+70.00 | | | | | | | | 1 | |
| | | 157+76.00 | | 15.00 | 15.00 | | | | 1 | 1 | |
| FOR INFORMATION ONLY | | | | | | | | | | | |
| 24 | W-1 | 155+35 | | RT | CONNECT TO EXIST. WM, 6"x8" REDUCER, 8"x45° BEND, L=9' | | | | | | |
| 24 | W-1A | 155+45 | | RT | 8"x45° BEND, L=9' | | | | | | |
| 24 | W-2 | 156+48 | | RT | 8"x22½° BEND, L=9' | | | | | | |
| 24 | W-3 | 156+62 | | RT | 8"x45° BEND, L=12' | | | | | | |
| 24 | W-4 | 156+92.5 | | RT | 8"x45° BEND, L=12' | | | | | | |
| 24 | W-5 | 157+06 | | RT | 8"x22½° BEND, L=9' | | | | | | |
| 24 | W-5A | 157+26 | | RT | 8"x45° BEND, L=12' | | | | | | |
| 24 | W-5B | 157+40 | | RT | 8"x45° BEND, L=9' | | | | | | |
| 24 | W-6 | 157+55 | | RT | CONNECT TO EXIST. WM, 6"x8" REDUCER | | | | | | |
| SUBTOTAL | | | | | 120.00 | 15.00 | 233.00 | 25.0 | 1 | 1 | 3 |
| TOTALS CARRIED TO GENERAL SUMMARY | | | | | 120 | 15 | 233 | 25 | 1 | 1 | 3 |

| ADDENDUM 1 | | |
|------------|---------|---------------------------|
| 1 | 4/14/26 | REVISE WATER WORK SUMMARY |

| STATION | ITEM 659 - SEEDING | | | | ITEM 203 - EXCAVATION | | | ITEM 203 - EMBANKMENT | | | | |
|---|--------------------|----------|----------|-------------|-----------------------|--|--------------|-----------------------|------------------|--|--|-----|
| | LEFT FT | RIGHT FT | TOTAL FT | TOTAL SQ YD | TOTAL | TOTAL AREA SQ FT | VOLUME CU YD | TOTAL | TOTAL AREA SQ FT | VOLUME CU YD | | |
| 154+36.97 BK | | | | | | | | | | | | |
| 154+36.97 AHD | 5.30 | 0.00 | 5.30 | | 71.71 | 72 | | 0.04 | 1 | | | |
| 154+50.00 BK | 5.30 | 0.00 | 5.30 | 7.67 | 71.71 | 72 | 35 | 0.04 | 1 | 1 | | |
| 154+50.00 AHD | 5.30 | 0.00 | 5.30 | 0 | 72.25 | 73 | 0 | 3.33 | 4 | 0 | | |
| 154+64.53 | 5.30 | 0.00 | 5.30 | 8.56 | 72.25 | 73 | 40 | 3.33 | 4 | 3 | | |
| 154+77.76 BK | 5.30 | 0.00 | 5.30 | 7.79 | 72.25 | 73 | 36 | 3.33 | 4 | 2 | | |
| 154+77.76 AHD | 9.50 | 10.86 | 20.36 | 0 | 47.65 | 48 | 0 | 8.68 | 9 | 0 | | |
| 155+00.00 | 9.50 | 10.86 | 20.36 | 50.31 | 47.65 | 48 | 40 | 8.68 | 9 | 8 | | |
| 155+09.85 BK | 9.50 | 10.86 | 20.36 | 22.28 | 47.65 | 48 | 18 | 8.68 | 9 | 4 | | |
| 155+09.85 AHD | 0.00 | 17.63 | 17.63 | 0 | 55.55 | 56 | 0 | 17.65 | 18 | 0 | | |
| 155+24.34 | 0.00 | 17.63 | 17.63 | 28.38 | 55.55 | 56 | 31 | 17.65 | 18 | 10 | | |
| 155+37.65 BK | 0.00 | 17.63 | 17.63 | 26.07 | 55.55 | 56 | 28 | 17.65 | 18 | 9 | | |
| 155+37.65 AHD | 3.38 | 12.95 | 16.33 | 0 | 48.71 | 49 | 0 | 31.62 | 32 | 0 | | |
| 155+38.00 | 3.38 | 12.95 | 16.33 | 0.64 | 48.71 | 49 | 1 | 31.62 | 32 | 1 | | |
| 155+50.00 | 10.97 | 10.82 | 21.79 | 25.41 | 45.67 | 46 | 22 | 27.80 | 28 | 14 | | |
| 156+00.00 | 11.69 | 10.78 | 22.47 | 122.94 | 48.12 | 49 | 88 | 34.57 | 35 | 59 | | |
| 156+15.25 BK | 11.69 | 10.78 | 22.47 | 38.07 | 48.12 | 49 | 28 | 34.57 | 35 | 20 | | |
| 156+15.25 AHD | 0.00 | 0.00 | 0.00 | 0 | 0.00 | 0 | 0 | 0.00 | 0 | 0 | | |
| 157+11.75 BK | 0.00 | 0.00 | 0.00 | 0 | 0.00 | 0 | 0 | 0.00 | 0 | 0 | | |
| 157+11.75 AHD | 0.00 | 0.00 | 0.00 | 0 | 42.73 | 43 | 0 | 55.68 | 56 | 0 | | |
| 157+40.38 BK | 0.00 | 0.00 | 0.00 | 0 | 42.73 | 43 | 46 | 55.68 | 56 | 60 | | |
| 157+40.38 AHD | 0.00 | 0.00 | 0.00 | 0 | 124.30 | 125 | 0 | 108.18 | 109 | 0 | | |
| 157+50.00 | 0.00 | 0.00 | 0.00 | 0 | 124.30 | 125 | 45 | 108.18 | 109 | 39 | | |
| 157+72.26 BK | 0.00 | 0.00 | 0.00 | 0 | 102.37 | 103 | 94 | 76.82 | 77 | 77 | | |
| 157+72.26 AHD | 6.96 | 11.09 | 18.05 | 0 | 61.15 | 62 | 0 | 45.59 | 46 | 0 | | |
| 158+00.00 | 6.96 | 11.09 | 18.05 | 55.63 | 61.15 | 62 | 64 | 45.59 | 46 | 48 | | |
| 158+50.00 | 2.50 | 10.50 | 13.00 | 86.25 | 69.76 | 70 | 123 | 0.66 | 1 | 44 | | |
| 159+00.00 | 2.50 | 9.13 | 11.63 | 68.42 | 72.35 | 73 | 133 | 0.28 | 1 | 2 | | |
| 159+25.00 | 0.00 | 0.00 | 0.00 | 16.15 | | 0 | 34 | | 0 | 1 | | |
| 160+00.00 | 0.00 | 0.00 | 0.00 | 0 | | | | | 0 | 1 | | |
| 500+10.00 BK | | | | | | | | | | | | |
| 500+10.00 AHD | 9.18 | 9.89 | 19.07 | 0 | 35.09 | 36 | 0 | 3.84 | 4 | 0 | | |
| 500+25.00 | 9.18 | 9.89 | 19.07 | 31.78 | 35.09 | 36 | 20 | 3.84 | 4 | 3 | | |
| 500+50.00 | 11.35 | 7.86 | 19.21 | 53.17 | 25.84 | 26 | 29 | 12.76 | 13 | 8 | | |
| 500+75.00 | 15.80 | 10.28 | 26.08 | 62.9 | 19.84 | 20 | 22 | 48.71 | 49 | 29 | | |
| 501+00.00 | 22.23 | 8.58 | 30.81 | 79.01 | 20.78 | 21 | 19 | 92.64 | 93 | 66 | | |
| 501+25.00 | 21.68 | 12.60 | 34.28 | 90.4 | 22.83 | 23 | 21 | 85.73 | 86 | 83 | | |
| 501+50.00 BK | 21.68 | 0.00 | 21.68 | 77.72 | 22.83 | 23 | 22 | 85.73 | 86 | 80 | | |
| 501+50.00 AHD | 0.00 | 0.00 | 0.00 | 0 | 0.00 | 0 | 0 | 0.00 | 0 | 0 | | |
| SUBTOTAL CARRIED TO SHEET NO. 18 | | | | | 960 | SUBTOTAL CARRIED TO GENERAL SUMMARY | | | 1039 | SUBTOTAL CARRIED TO GENERAL SUMMARY | | 671 |

WATER WORK / EARTHWORK SUBSUMMARY

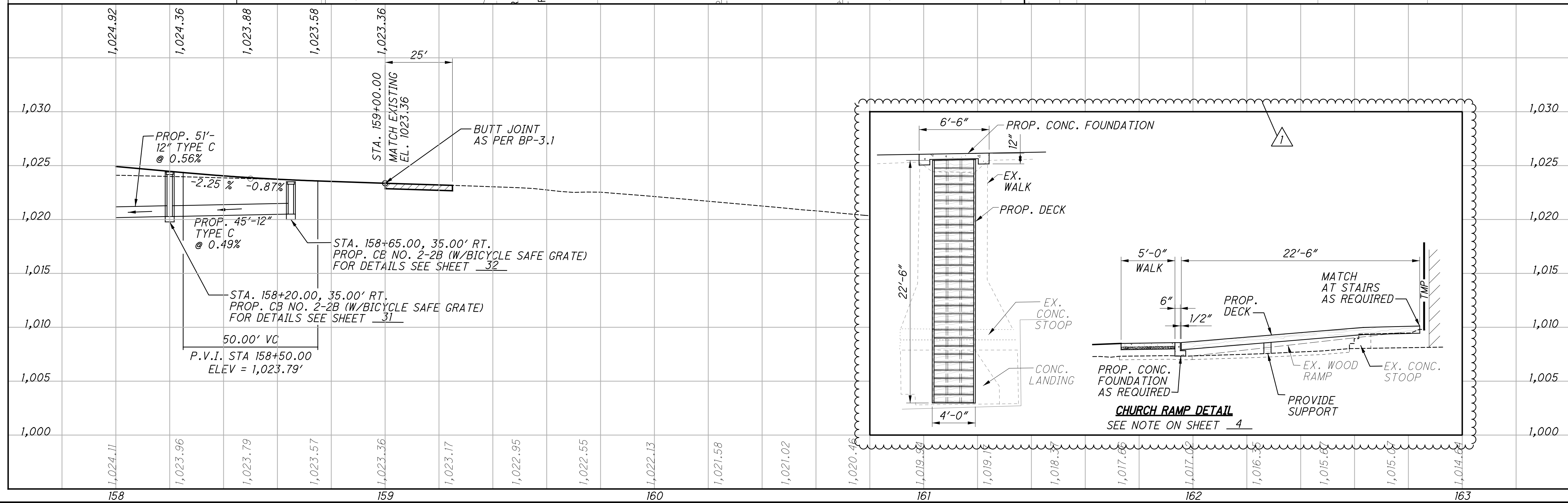
ADDENDUM 1

| | |
|---------|--------------------|
| 4/14/26 | REVISE RAMP DETAIL |
|---------|--------------------|

DRAINAGE LEGEND
 (GTD) GRADE TO DRAIN

WALKWAY, MISC.:
 CONCRETE
 WHEELCHAIR RAMP

B.M. #1: STA. 158+54.02, 47.29' RT.
 SE CORNER CONC. STEP
 AT CHURCH ELEV. = 1025.05

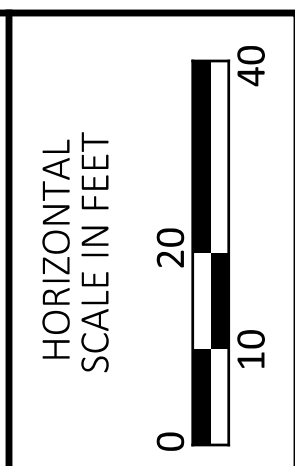


LEGEND

- WEARING COURSE REMOVED AND RESURFACING (THK. = 1/4")
- CONST. LIMITS
- BORING LOCATION
- EX. LANDSCAPING AREAS (DND)

CROSS REFERENCES

| | |
|-------|------------------|
| 3 | TYPICAL SECTIONS |
| 26-33 | CROSS SECTIONS |
| 46-48 | TRAFFIC CONTROL |



PLAN AND PROFILE
 STA. 158+00.0 TO STA. 163+00.00

DESIGN AGENCY

DESIGNER
 PRS

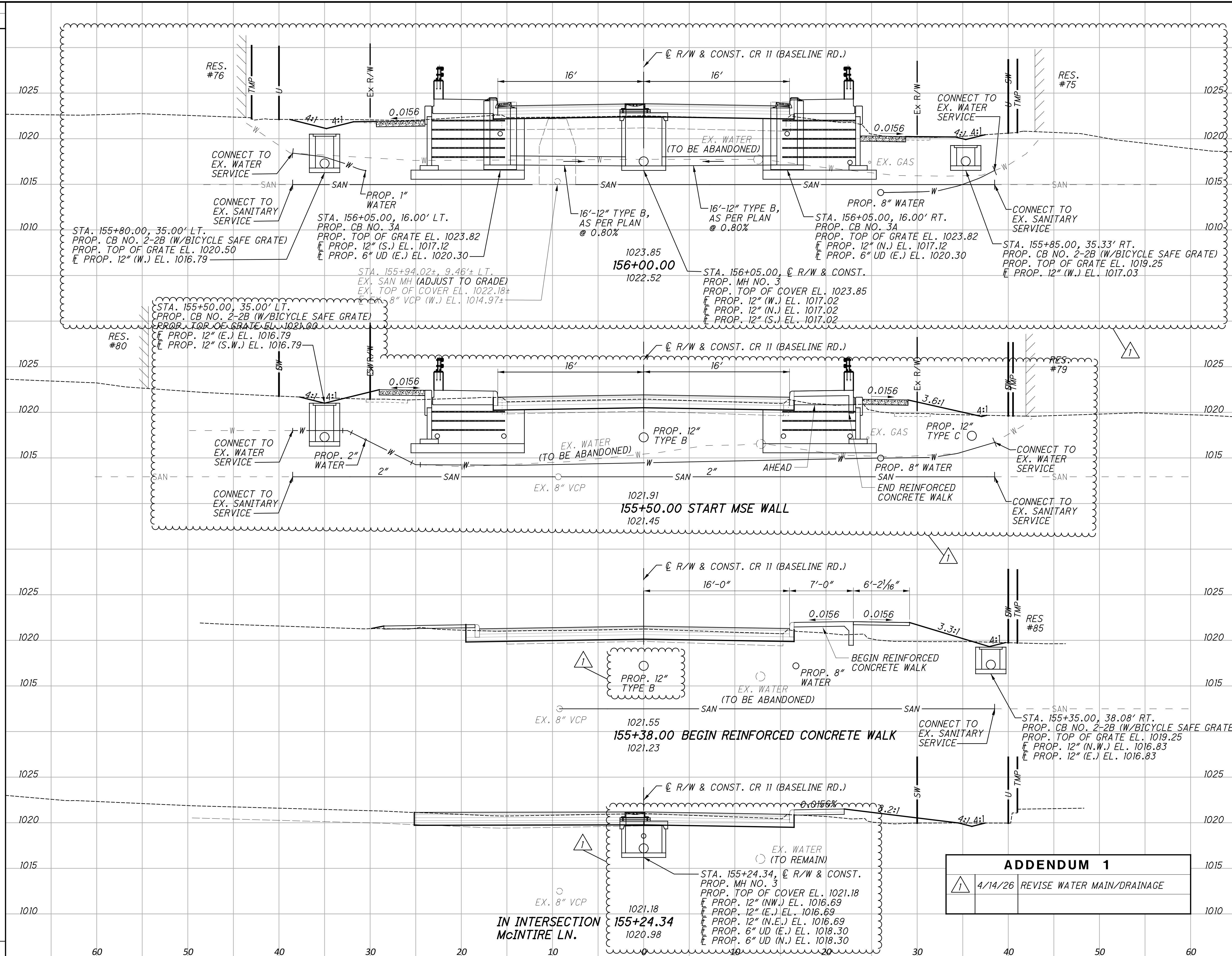
REVIEWER
 TJF 8-29-25

PROJECT ID
 120504

SHEET TOTAL
 P.25 76

| SEEDING | |
|-----------|----------|
| END WIDTH | SO. YDS. |

| END AREA | | VOLUME | |
|----------|------|--------|------|
| CUT | FILL | CUT | FILL |



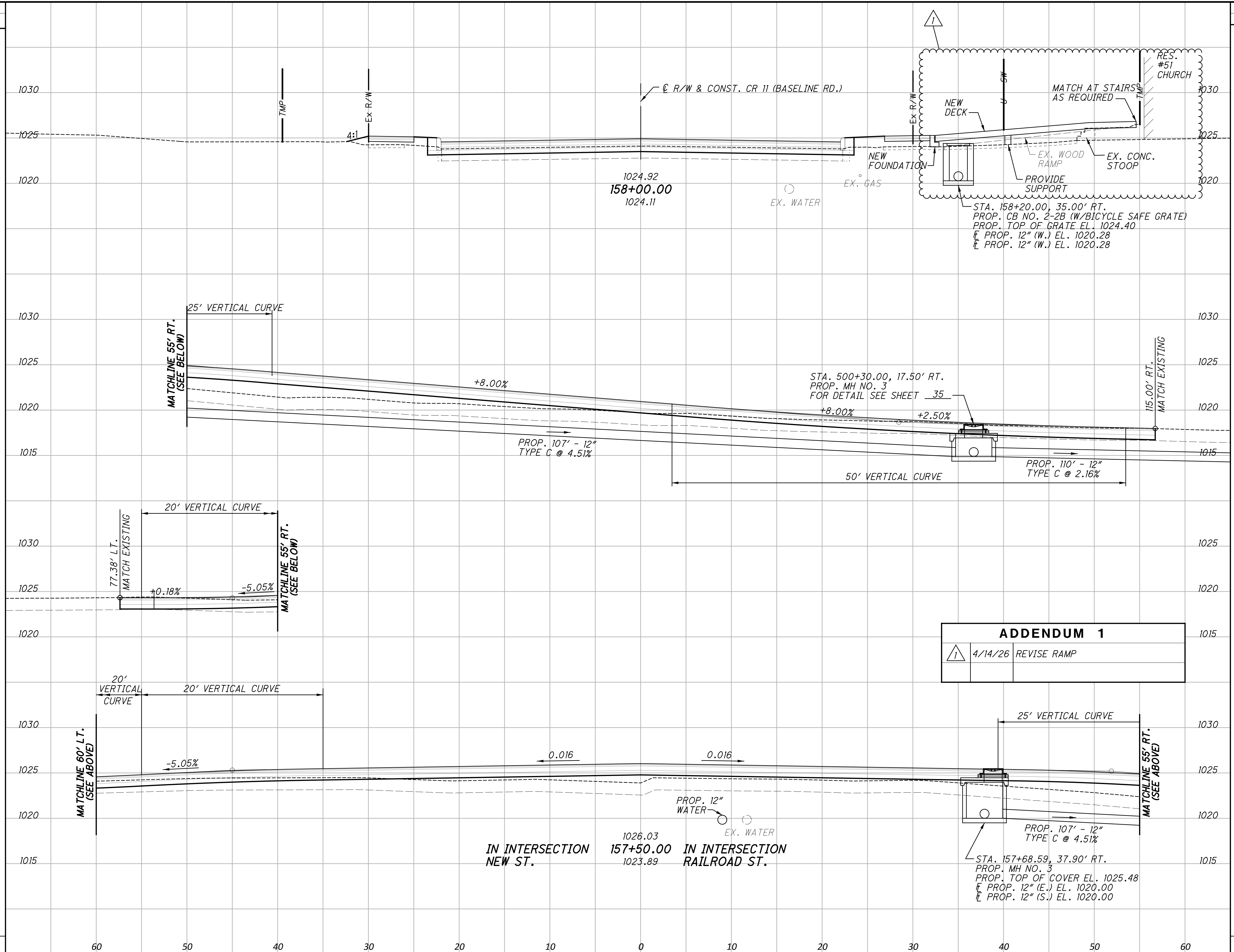
| ADDENDUM 1 | | |
|------------|---------|----------------------------|
| 1 | 4/14/26 | REVISE WATER MAIN/DRAINAGE |

CROSS SECTIONS
STA. 155+24.34 TO STA. 156+00.00

| |
|---------------|
| DESIGN AGENCY |
| |
| DESIGNER |
| PRS |
| REVIEWER |
| TJF 8-29-25 |
| PROJECT ID |
| 120504 |
| SHEET TOTAL |
| P.28 76 |

| SEEDING | |
|-----------|----------|
| END WIDTH | SO. YDS. |
| | |

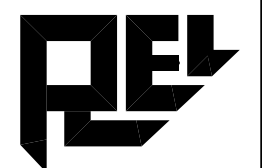
| END AREA | | VOLUME | |
|----------|------|--------|------|
| CUT | FILL | CUT | FILL |
| | | | |



| ADDENDUM 1 | | |
|------------|---------|-------------|
| | 4/14/26 | REVISE RAMP |

CROSS SECTIONS
STA. 157+50.00 TO STA. 158+00.00

DESIGN AGENCY



DESIGNER
PRS

REVIEWER
TJF 8-29-25

PROJECT ID
120504

SHEET TOTAL
P.31 76

| ADDENDUM 1 | | |
|------------|---------|--------------------------|
| 1 | 4/14/26 | REVISE WATER MAIN LAYOUT |

UTILITY LEGEND

PP PROP. POWER POLE

WATER LEGEND

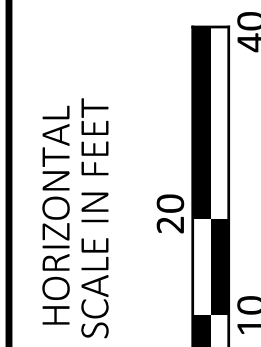
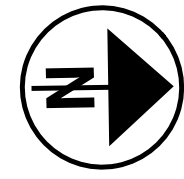
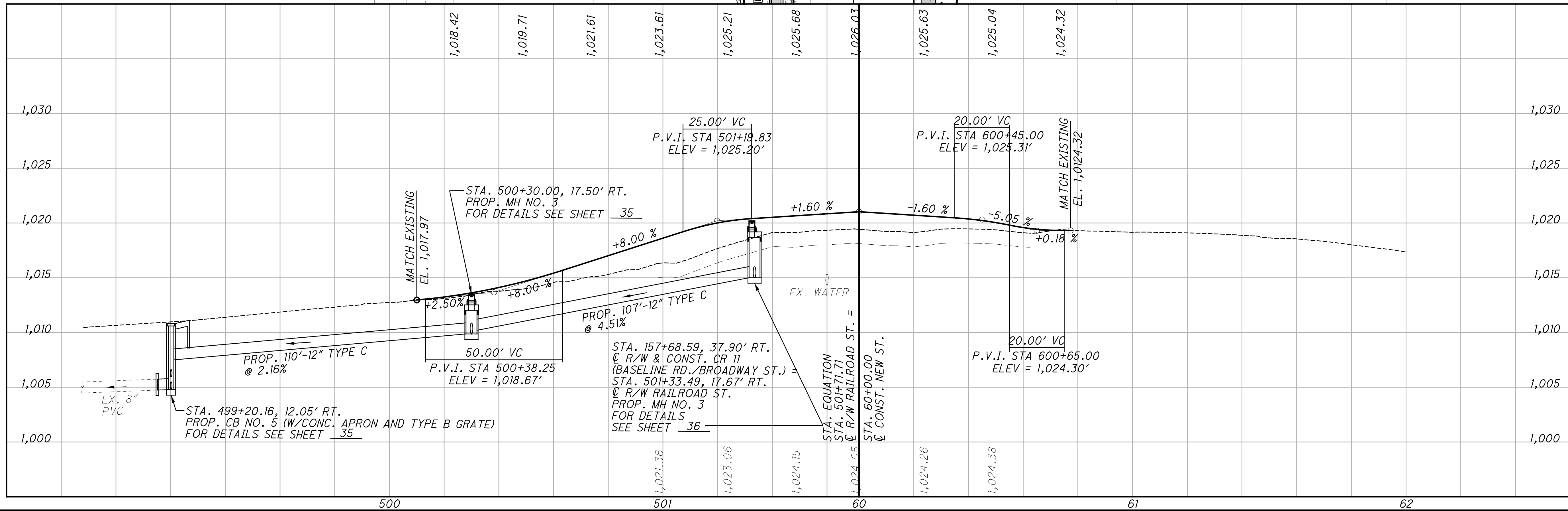
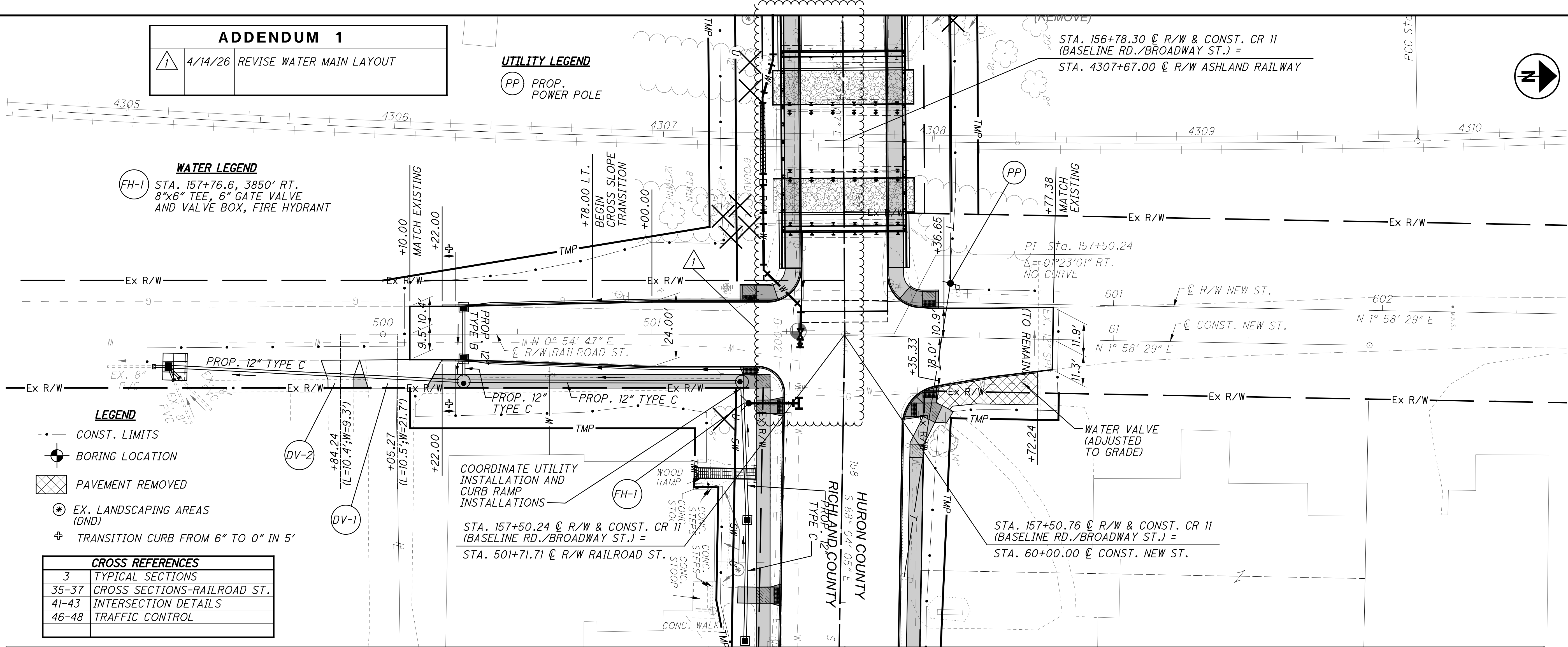
FH-1 STA. 157+76.6, 3850' RT. 8"x6" TEE, 6" GATE VALVE AND VALVE BOX, FIRE HYDRANT

LEGEND

- CONST. LIMITS
- ⊙ BORING LOCATION
- ▨ PAVEMENT REMOVED
- ⊙ EX. LANDSCAPING AREAS (DND)
- ⊕ TRANSITION CURB FROM 6" TO 0" IN 5'

CROSS REFERENCES

| | |
|-------|-----------------------------|
| 3 | TYPICAL SECTIONS |
| 35-37 | CROSS SECTIONS-RAILROAD ST. |
| 41-43 | INTERSECTION DETAILS |
| 46-48 | TRAFFIC CONTROL |



PLAN AND PROFILE - RAILROAD ST./NEW ST.
 STA. 500+00.00 TO STA. 61+50.00

DESIGN AGENCY



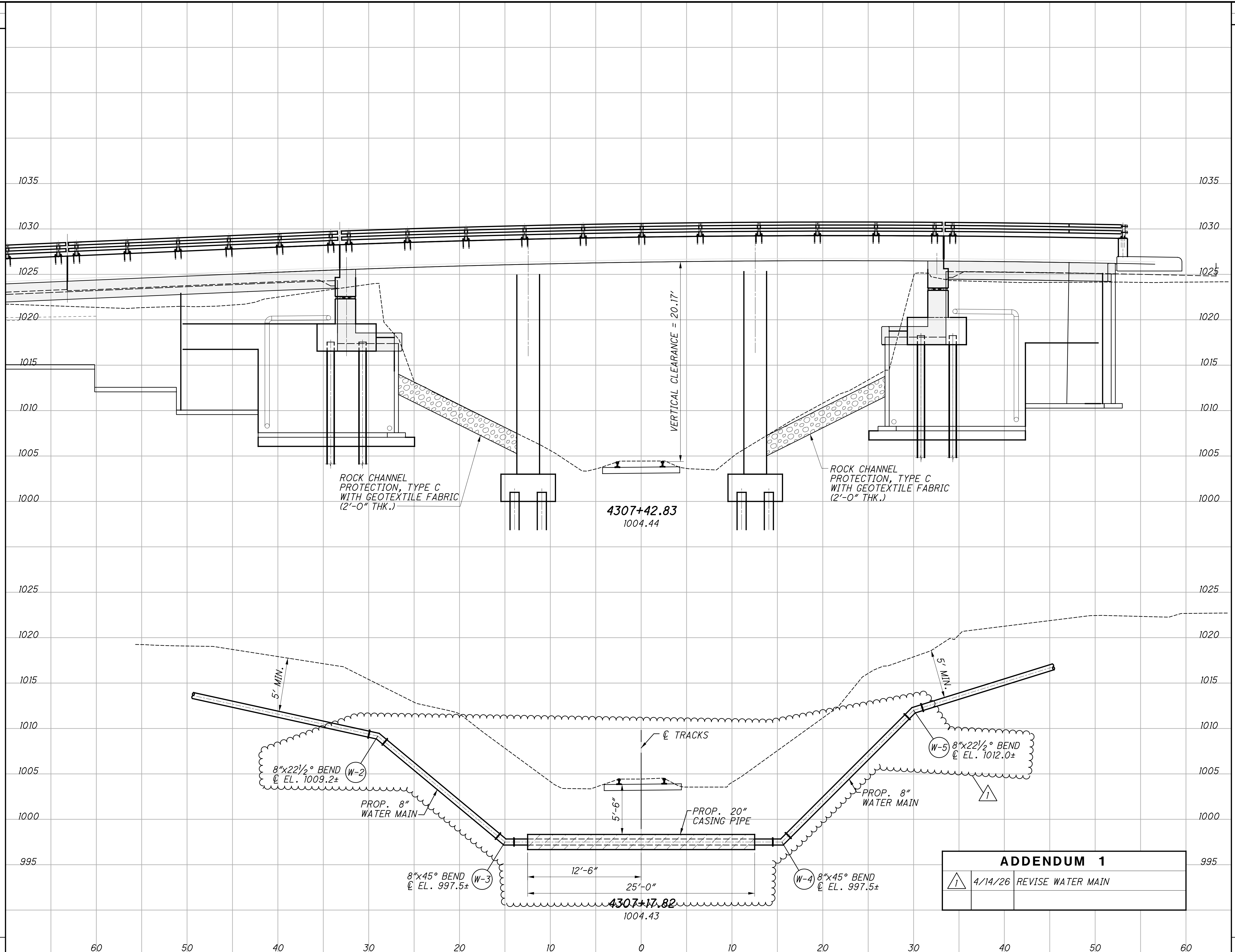
| | |
|------------|-----------|
| DESIGNER | PRS |
| REVIEWER | TJF |
| PROJECT ID | 8-29-25 |
| SHEET | 120504 |
| TOTAL | P.34 / 76 |

HUR-CR11-2.96

MODEL: Design PAPER SIZE: 34x22 (in.) DATE: 4/14/2026 TIME: 4:05:12 PM USER: SMorr
F:\2023\22105 VAR-Statewide Engineering Muni Bridge\Task 7 RIC-Baseline Road Plymouth\120504\400-Engineering\Roadway\Sheets\120504_XS900_NEW WATERLINE LAYOUT.dgn

SEEDING
END SO.
WIDTH YDS.

END AREA VOLUME
CUT FILL CUT FILL



CROSS SECTIONS - ASHLAND RAILWAY
STA. 4307+17.62 TO STA. 4307+42.83

DESIGN AGENCY



DESIGNER
PRS

REVIEWER
TJF 8-29-25

PROJECT ID
120504

SHEET TOTAL
P.38 76

| ADDENDUM 1 | | |
|------------|---------|-------------------|
| 1 | 4/14/26 | REVISE WATER MAIN |

| ADDENDUM 1 | | |
|------------|---------|-------------------------|
| 1 | 4/14/26 | REVISE MANHOLE LOCATION |

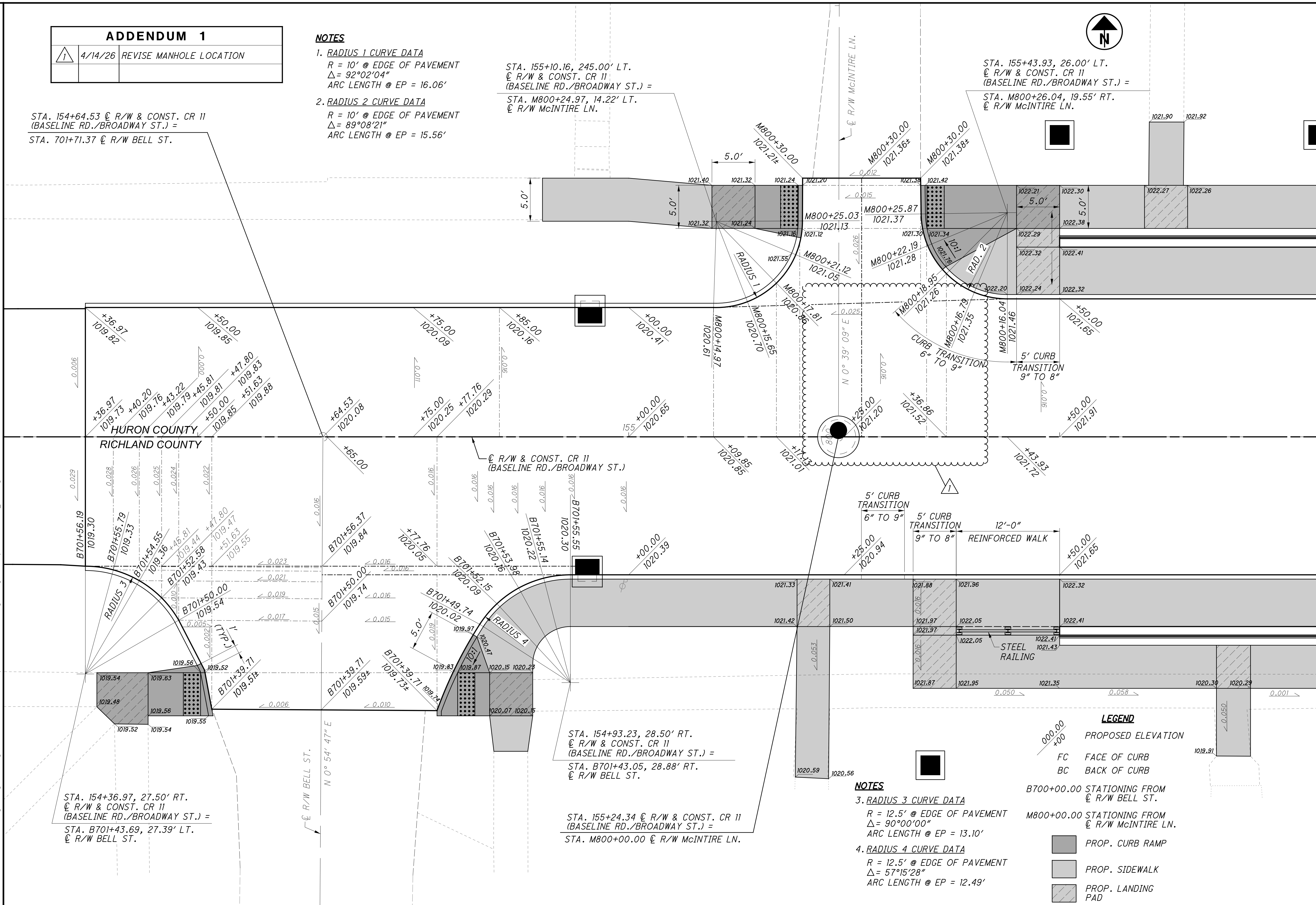
NOTES

- RADIUS 1 CURVE DATA**
R = 10' @ EDGE OF PAVEMENT
 $\Delta = 92^{\circ}02'04''$
ARC LENGTH @ EP = 16.06'
- RADIUS 2 CURVE DATA**
R = 10' @ EDGE OF PAVEMENT
 $\Delta = 89^{\circ}08'21''$
ARC LENGTH @ EP = 15.56'

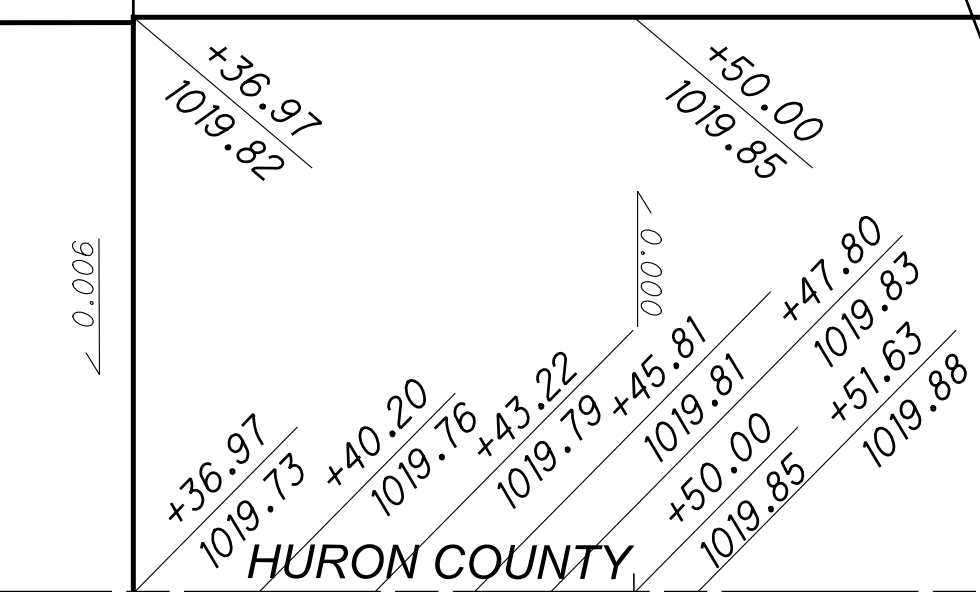
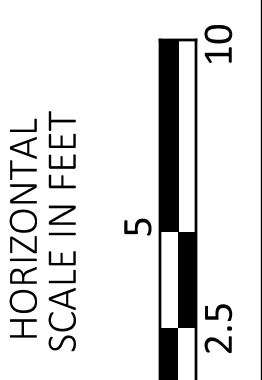
STA. 154+64.53 @ R/W & CONST. CR 11
(BASELINE RD./BROADWAY ST.) =
STA. 701+71.37 @ R/W BELL ST.

STA. 155+10.16, 245.00' LT.
@ R/W & CONST. CR 11
(BASELINE RD./BROADWAY ST.) =
STA. M800+24.97, 14.22' LT.
@ R/W McINTIRE LN.

STA. 155+43.93, 26.00' LT.
@ R/W & CONST. CR 11
(BASELINE RD./BROADWAY ST.) =
STA. M800+26.04, 19.55' RT.
@ R/W McINTIRE LN.



INTERSECTION DETAIL
CR 11 (BASELINE RD./BROADWAY ST. AND BELL ST./McINTIRE LN.)



STA. 154+93.23, 28.50' RT.
@ R/W & CONST. CR 11
(BASELINE RD./BROADWAY ST.) =
STA. B701+43.69, 27.39' LT.
@ R/W BELL ST.

STA. 155+24.34 @ R/W & CONST. CR 11
(BASELINE RD./BROADWAY ST.) =
STA. M800+00.00 @ R/W McINTIRE LN.

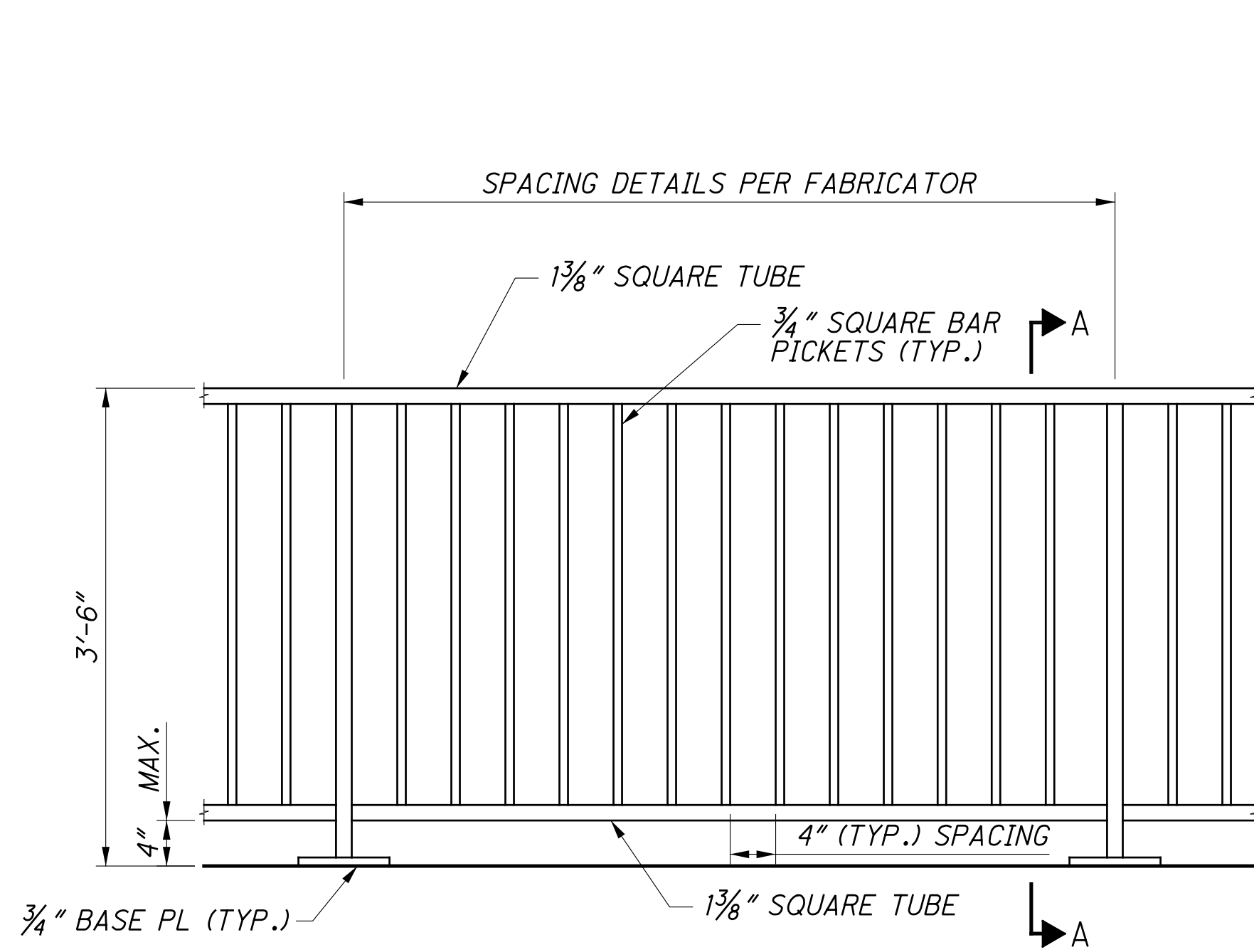
NOTES

- RADIUS 3 CURVE DATA**
R = 12.5' @ EDGE OF PAVEMENT
 $\Delta = 90^{\circ}00'00''$
ARC LENGTH @ EP = 13.10'
- RADIUS 4 CURVE DATA**
R = 12.5' @ EDGE OF PAVEMENT
 $\Delta = 57^{\circ}15'28''$
ARC LENGTH @ EP = 12.49'

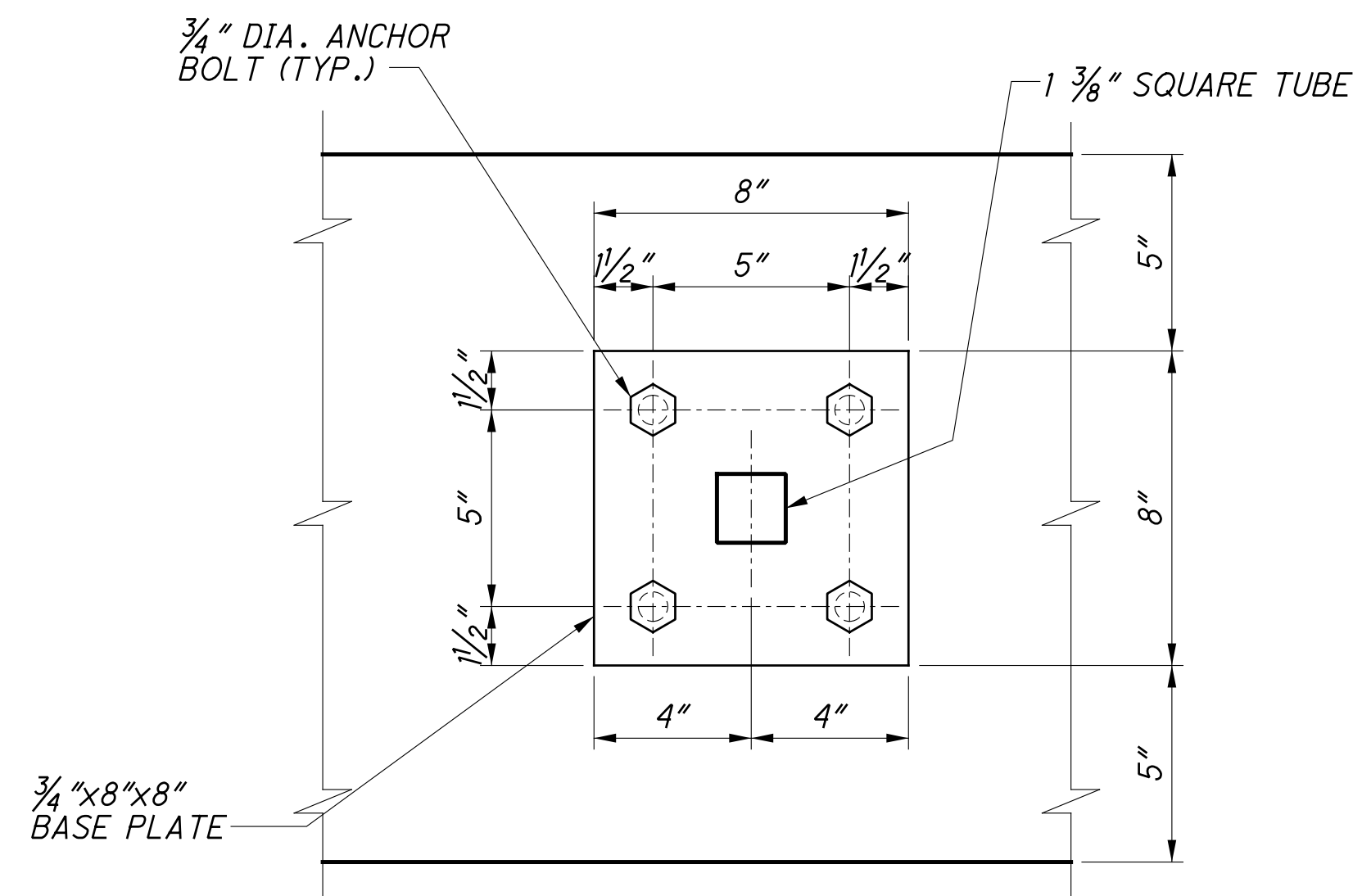
LEGEND

| | |
|------------|------------------------------------|
| 000.00 | PROPOSED ELEVATION |
| FC | FACE OF CURB |
| BC | BACK OF CURB |
| B700+00.00 | STATIONING FROM @ R/W BELL ST. |
| M800+00.00 | STATIONING FROM @ R/W McINTIRE LN. |
| [Pattern] | PROP. CURB RAMP |
| [Pattern] | PROP. SIDEWALK |
| [Pattern] | PROP. LANDING PAD |

| | |
|---------------|-------------|
| DESIGN AGENCY | |
| | |
| DESIGNER | PRS |
| REVIEWER | TJF 8-29-25 |
| PROJECT ID | 120504 |
| SHEET | TOTAL |
| P.41 | 76 |



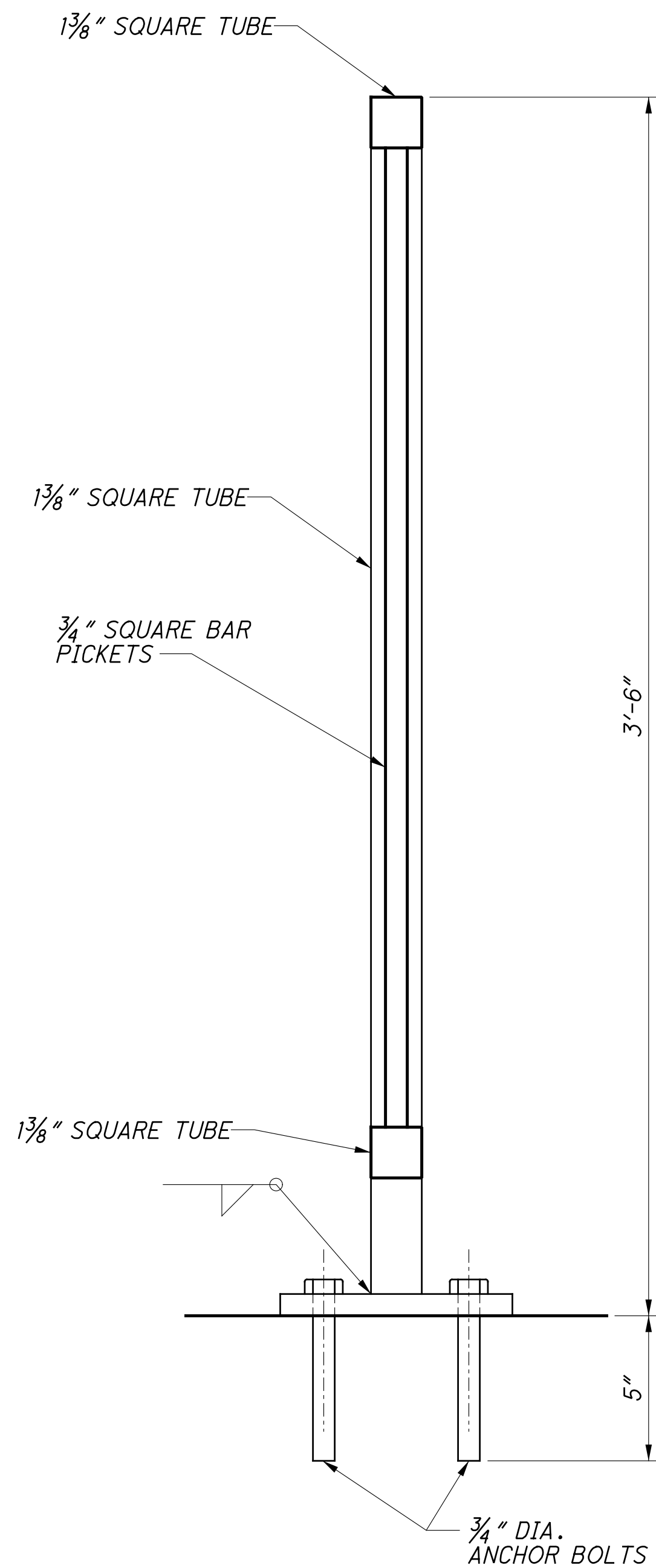
TYPICAL RAILING PANEL



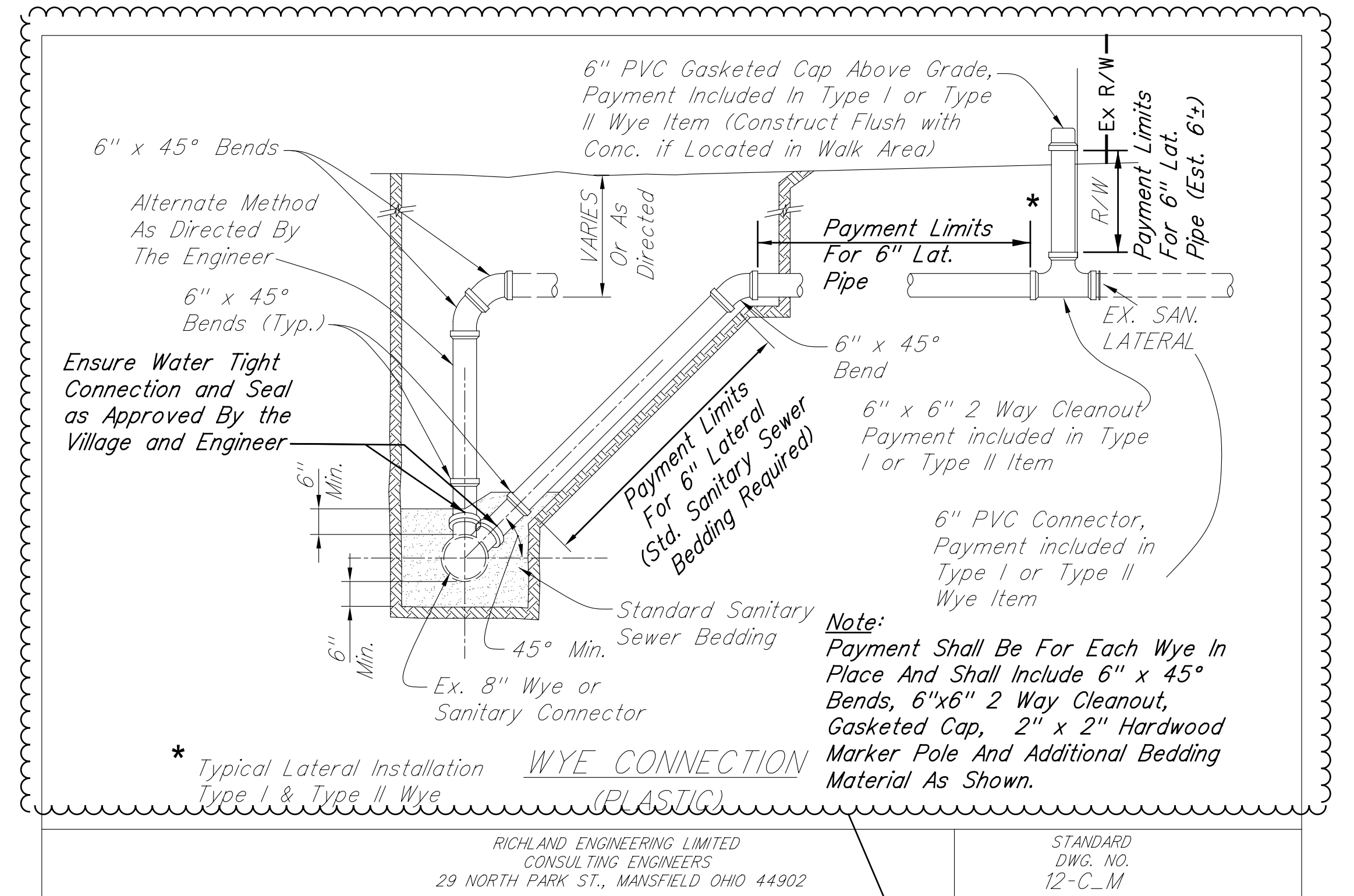
BASE PLATE DETAIL

RAILING NOTES

- ① SHOP PAINTED WITH A TWO COAT INTERMEDIATE AND FINISH SYSTEM (COLOR BLACK).
- ② ASSEMBLE AND ERECT RAILING ON EDGE OF 12'-0" REINFORCED WALK AS PER PLAN DETAIL.
- ③ DRILL, INSTALL AND GROUT ANCHOR BOLTS ON EACH POST PLATE.
- ④ TOUCH UP PAINT AFTER INSTALLATION.
- ⑤ SEE RAILING NOTE SHEET 43 .



SECTION A-A

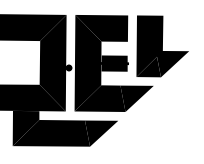


* Typical Lateral Installation WYE CONNECTION Type I & Type II Wye (PLASTIC)

RICHLAND ENGINEERING LIMITED
 CONSULTING ENGINEERS
 29 NORTH PARK ST., MANSFIELD OHIO 44902

STANDARD
 DWG. NO.
 12-C_M

| ADDENDUM 1 | | |
|------------|---------|-------------------------|
| △ | 4/14/26 | REVISE STANDARD DRAWING |
| | | |



| CROSS REFERENCES | |
|------------------|---------------------|
| 3 | TYPICAL SECTIONS |
| 23-25 | PLAN & PROFILE |
| 26-33 | CROSS SECTIONS |
| 41-44 | INTERSECTION DETAIL |
| 47 | CROSSWALK DETAIL |

NO PARKING ANY TIME
 STA. 151+75.7±, 32.5± LT.
 (DO NOT DISTURB)
 S-2

S-2

S-2

S-3

2 STY. FRAME RES. #107

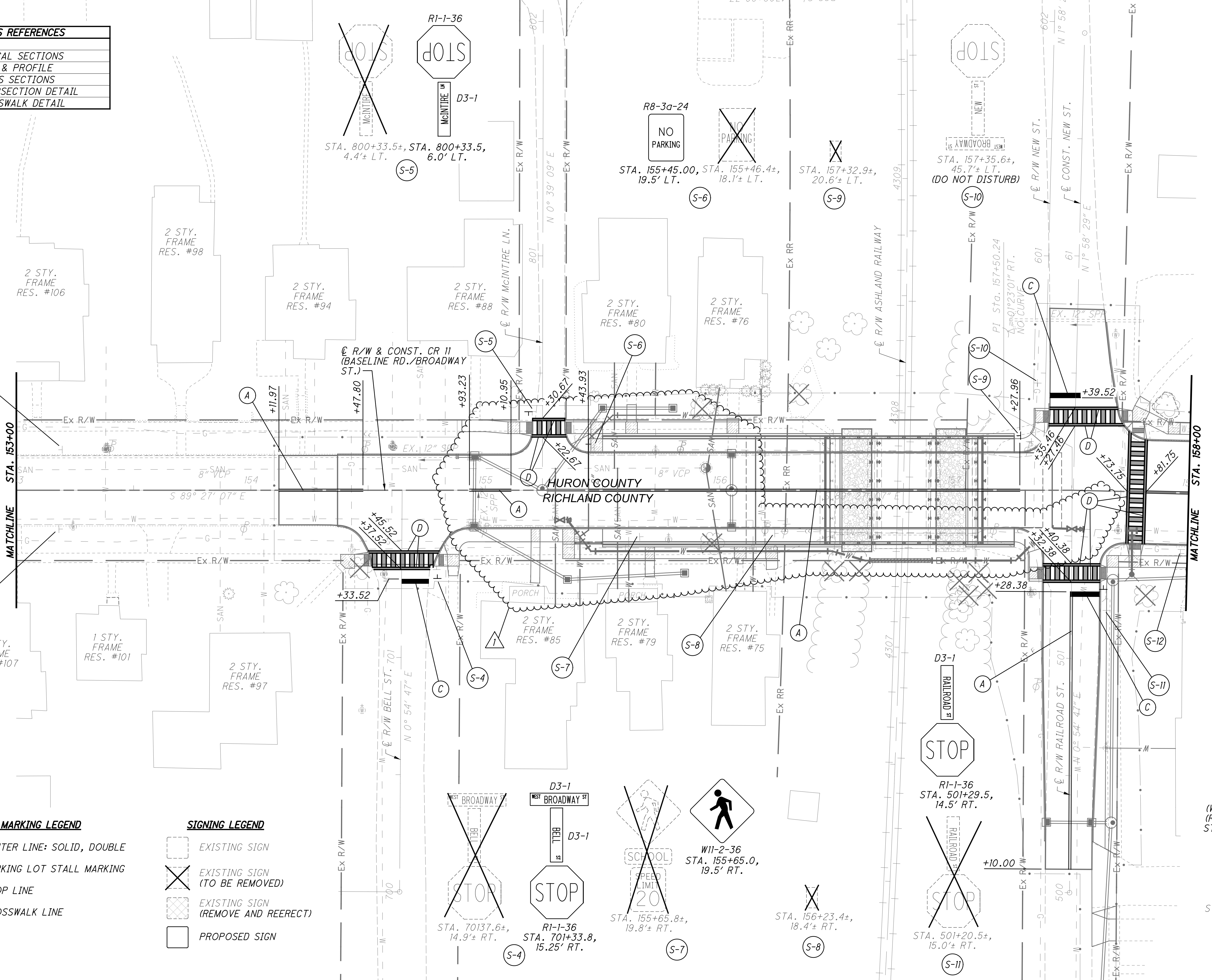
NO PARKING ANY TIME

STA. 153+18.3±, 16.6± RT.
 (DO NOT DISTURB)
 S-3

S-3

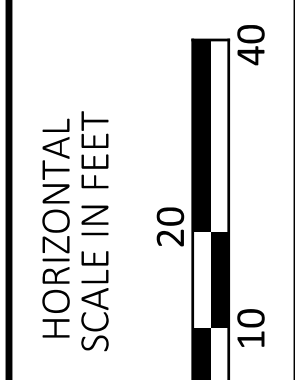
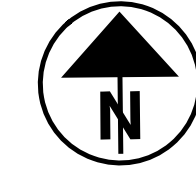
- PAVEMENT MARKING LEGEND**
- (A) 644, CENTER LINE: SOLID, DOUBLE
 - (B) 644, PARKING LOT STALL MARKING
 - (C) 644, STOP LINE
 - (D) 644, CROSSWALK LINE

- SIGNING LEGEND**
- EXISTING SIGN
 - EXISTING SIGN (TO BE REMOVED)
 - EXISTING SIGN (REMOVE AND REERECT)
 - PROPOSED SIGN



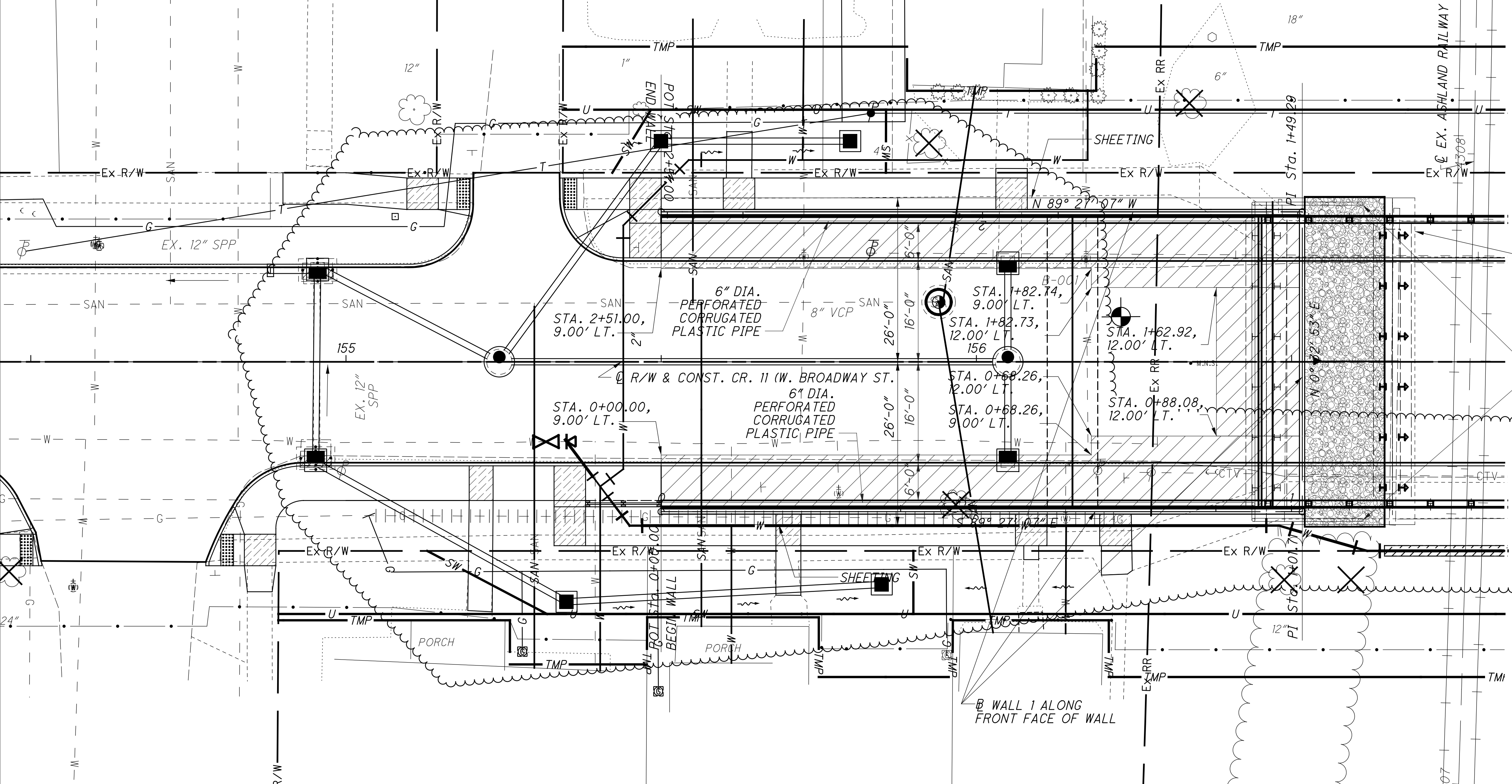
ADDENDUM 1
 4/14/26 REVISED DRAINAGE AND WATERLINE

RESERVED PARKING
 R7-8-12 (W/NO ARROW) (RELOCATE TO STA. 158+38.0, 25.0' RT.)
 S-12



TRAFFIC CONTROL
 STA. 153+00.00 TO STA. 158+00.00

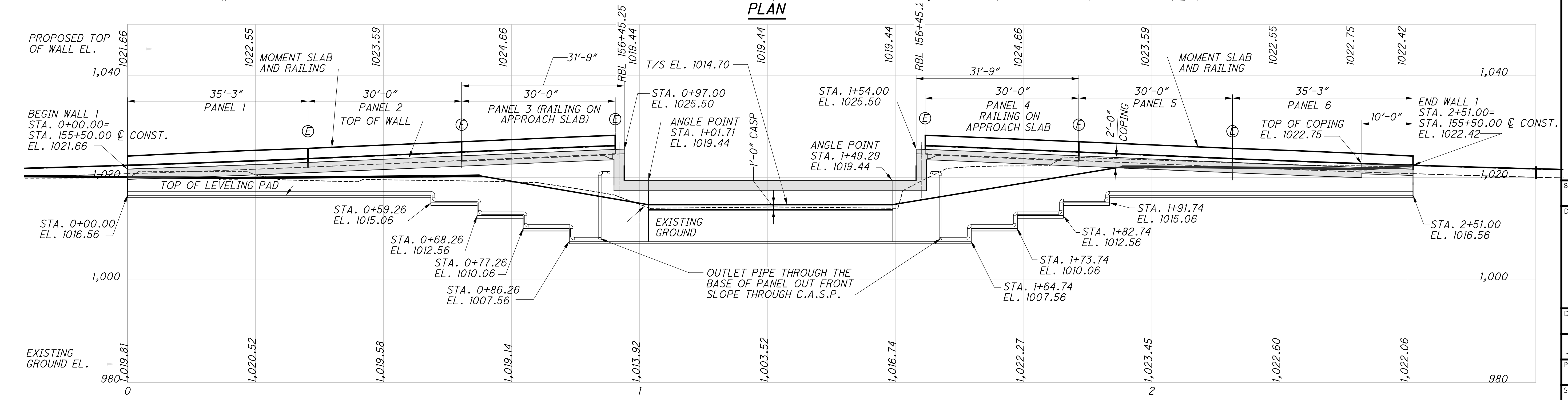
| | |
|---------------|-------------|
| DESIGN AGENCY | |
| DESIGNER | PRS |
| REVIEWER | TJF 8-29-25 |
| PROJECT ID | 120504 |
| SHEET | P.47 |
| TOTAL | 76 |



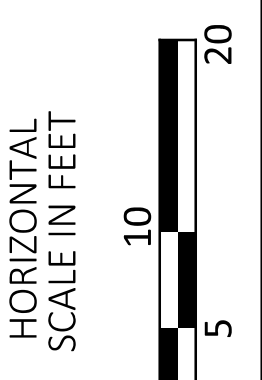
| ADDENDUM 1 | | |
|------------|---------|--------------------------------|
| 1 | 4/13/26 | REVISED DRAINAGE AND WATERLINE |

LEGEND

- CASP
- COPING
- LIMITS OF SELECT GRANULAR BACKFILL
- EXPANSION JOINT



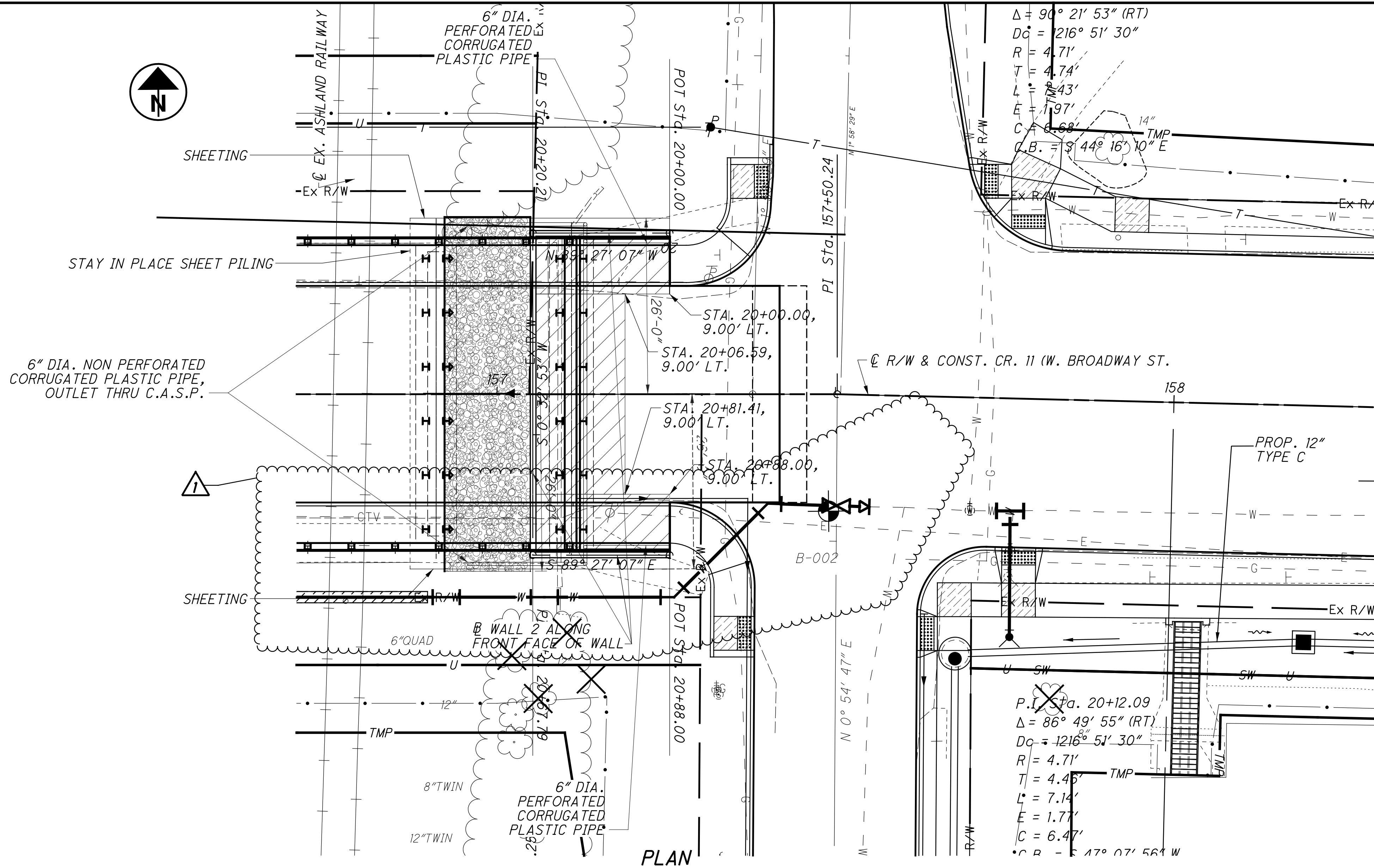
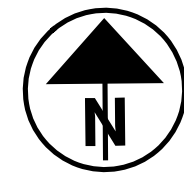
PROFILE ALONG B WALL 1



MSE WALL 1 - PLAN AND ELEVATION
 HU-CR-11-2.96
 BASELINE RD./BROADWAY ST. OVER ASHLAND RAILWAY

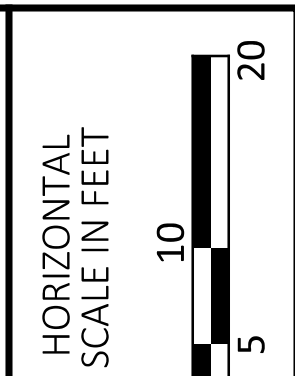
| | |
|---------------|------------|
| SFN | 3976086 |
| DESIGN AGENCY | |
| DESIGNER | BLN |
| REVIEWER | JRC 1/6/26 |
| PROJECT ID | 120504 |
| SUBSET | TOTAL |
| 19 | 21 |
| SHEET | TOTAL |
| P.67 | 76 |

| ADDENDUM 1 | |
|------------|--------------------------------|
| 4/13/26 | REVISED DRAINAGE AND WATERLINE |



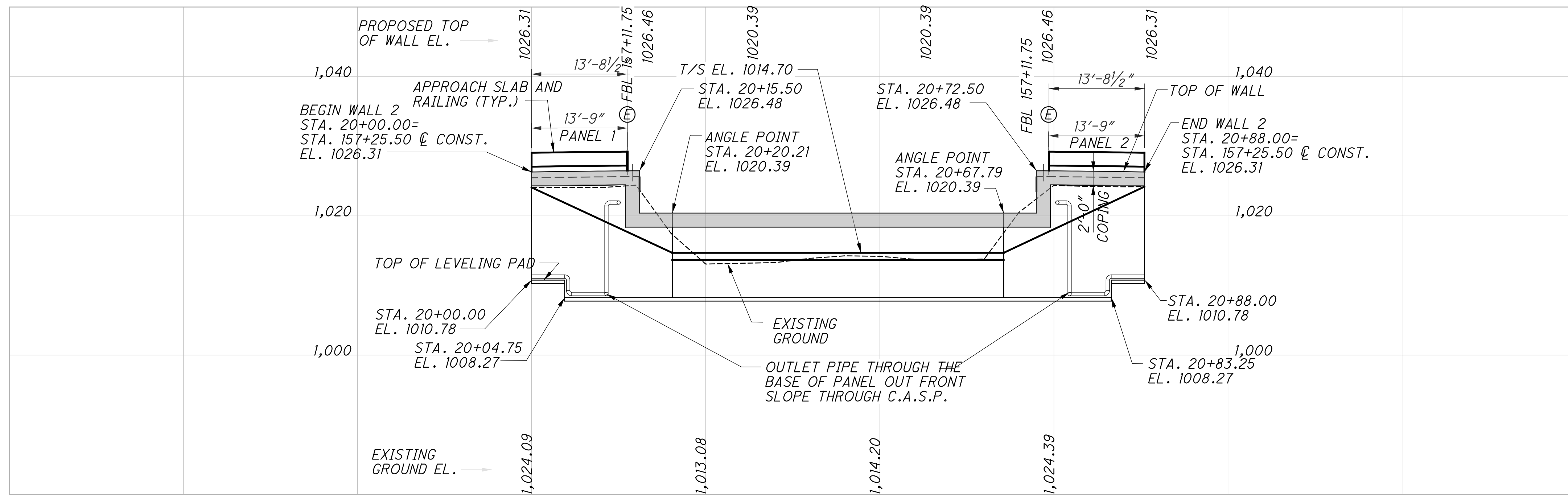
$\Delta = 90^\circ 21' 53''$ (RT)
 $Dc = 216^\circ 51' 30''$
 $R = 4.71'$
 $T = 4.74'$
 $L = 8.43'$
 $E = 1.97'$
 $C = 6.68'$
 $C.B. = S 44^\circ 16' 10'' E$

$P.I. Sta. 20+12.09$
 $\Delta = 86^\circ 49' 55''$ (RT)
 $Dc = 1216^\circ 51' 30''$
 $R = 4.71'$
 $T = 4.46'$
 $L = 7.14'$
 $E = 1.77'$
 $C = 6.47'$
 $C.B. = S 17^\circ 07' 56'' W$



MSE WALL 2 - PLAN AND ELEVATION
HU-CR-11-2.96
BASELINE RD./BROADWAY ST. OVER ASHLAND RAILWAY

- LEGEND**
- CASP
 - COPING
 - LIMITS OF SELECT GRANULAR BACKFILL
 - EXPANSION JOINT



PROFILE ALONG B WALL 2

| | |
|---------------|------------|
| SFN | 3976086 |
| DESIGN AGENCY | |
| DESIGNER | BLN |
| REVIEWER | JRC 1/6/26 |
| PROJECT ID | 120504 |
| SUBSET | TOTAL |
| 20 | 21 |
| SHEET | TOTAL |
| P.68 | 76 |